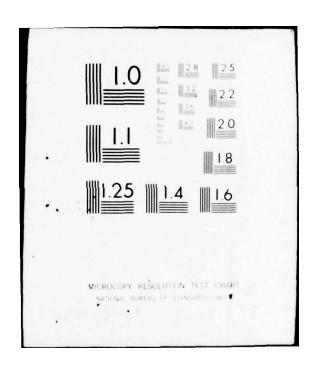
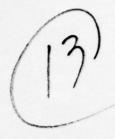
AD-A034 220 MITRE CORP BEDFORD MASS F/6 9/2 COMPUTER PROGRAM SPECIFICATION FOR THE SECURITY KERNEL FOR THE --ETC(U) OCT 76 S R HARPER MTR-3178-VOL-2 F19628-77-C-0001 UNCLASSIFIED ESD-TR-76-288-VOL-2 NL 1 oF 3 AD A034220



ADA 034220 05.33

ESD-TR-76-288, Vol. II



MTR-3178, Vol. II

COMPUTER PROGRAM SPECIFICATION
FOR THE
SECURITY KERNEL FOR THE PDP-11/45
PROGRAM LISTING

OCTOBER 1976

Prepared for

DEPUTY FOR COMMAND AND MANAGEMENT SYSTEMS

ELECTRONIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Hanscom Air Force Base, Bedford, Massachusetts





Approved for public release; distribution unlimited.

Project No. 7070

Prepared by
THE MITRE CORPORATION
Bedford, Massachusetts

Contract No. F19628-77-C-0001

COPY AVAILABLE TO DDG DOES NOT PERMIT FULLY LEGIBLE PRODUCTION

Copy evertable to DDC does not permit fully legible representation

When U.S. Government drawings, specifications, or other data are used for any purpose other than a definitely related government procurement operation, the government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise, as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or self any patented invention that may in any way be related thereto.

Do not return this copy. Retain or destroy.

REVIEW AND APPROVAL

This technical report has been reviewed and is approved for publication.

PAUL A. KARGER, Captarn, USAF Techniques Engineering Division LAWRENCE A. NOBLE, Major, USAF Techniques Engineering Division

FOR THE COMMANDER

FRANK J. EMMA, Colonel, USAF

Director, Computer Systems Engineering Deputy for Command & Management Systems

Project No. 2010
POGRAN - EMENT PROJECT, TAS
POGRAN - EMENT PROJECT, TAS
POGRAN - EMENT PROJECT, TAS
10
b
DCTOBER 1976 227/2 228 S. SECURITY & CASSIFIED
Report)

DD 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

ASSIFICATION OF THIS PAGE(When Data Entered)
the average of the season of t
a la compositiva de la compositiva de Constituta de la compositiva de la comp
A control formed that the Published Section 1999.

ACKNOWLEDGMENT

This report has been prepared by The MITRE Corporation under Project No. 7070. The contract is sponsored by the Electronic Systems Division, Air Force Systems Command, Hanscom Air Force Base, Massachusetts.

This volume is Section 10, Program Listing, of the basic document. It contains a complete listing of all computer program components (CPC's) that comprise the Security Kernel for the PDP-11/45.

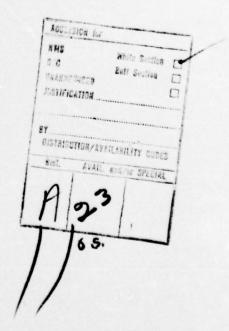


TABLE OF CONTENTS

			rage
APPENDIX	I		5
	10.	PROGRAM LISTING	5

APPENDIX I

10. PROGRAM LISTING

The program listing contained in this appendix includes the two context blocks relevant to the Security Kernel, the Project SUE System Language CPC's, and the PAL-11 assembler language CPC's. Emitted code is provided in the Project SUE System Language CPC listings.

CONSTANT CV. MAX_LEN = 72; /* CHARACTER VARYING MAXINUM LENGTH */ ARPAY ((1 TO CW MAX_LEN)) OF CHARACTER(1) (STRING), CV_LENGTH (LENGTH) TYPE INTEGER_TYPE = (- MAXINUM_INTEGER TO MAXINUM_INTEGER); MACRO MODULA (DIVIDEND, DIVISOR, REMAINDER, FLAG):
INLING (CICK, 0, 0):
INLING (CICK, 0, 0):
INLING (CICK, 0, 3):
INLING (CICK, 0, 3):
INLING (CICK, 0, 3):
INLING (CICK, 0, 3):
INLING (MAC, 0, 3):
INLING (M TYPE CY_POINTER = POINTER TO CHAR_VARYING; TYPE TB_POINTER = POINTER TO TOKEN_BLOCK; CONSTANT MAXING INTEGER = 32767; CONSTANT MAX HPG_INTEGER = - 32769; TYPE CV_LFNGTH = (0 TO CV_HAX_LEN); CV_LENGTH (TOKEN_START), CV_LENGTH (TOKEN_LENGTH) CONSTANT ASHET = "(3) 072127"; CONSTANT ASHERS = "(3) 072003"; CONSTANT ASHERS = "(3) 072103"; CONSTANT ASHERS = "(3) 074100"; CONSTANT APPER = "(3) 006506"; CONSTANT SPLHGE = "(3) 005207; CONSTANT SPLHGE = "(3) 002207; TYPE BOOLEAN = (FALSE TO TRUE); TYPE WORD = BIT (14); TYPE CHAS VARYING = TYPE BYTE = BIT (4); CONSTANT TRUE = 1; TYPE TOKEN BLOCK = PECOPD END:

```
### PROJECT | SEG4, OFFSET, USEN, PROJECT |
### PURTION CODE RARM := RESCRYD_FUNCTION_CODE;
### PROJECT REARM := SEG4;
### PROJECT REARM := PROJECT;
### PROJECT REARM := PROJECT;
### RACH (TARP):
### PROJECT REARM := PROJECT;
### PROJECT REARM := SEG4;
### PROJECT
```

```
(SYGO, OFPSET) IDENTIFIES A SEGUENT MHOSF PARENT IS ACTIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CAT (CATEGORY SET) IS NOT YET DEPINED
ABSOLUTE ("192") WORE SIZE KRARM;
ABSOLUTE ("1920") WORD HOUD KRARM;
ABSOLUTE ("192") WORD DEBUSET KRARM;
ABSOLUTE ("192") WORD PROJECT KRARM;
ABSOLUTE ("192") WORD PROJECT KRARM;
ABSOLUTE ("192") WORD PROJECT KRARM;
ABSOLUTE ("192") WORD RESHEL ROZ;
ABSOLUTE ("192") WORD KENNEL, RC;
                                                                                                                                                        SPGO IDPNTIFIES AN ACTIVE SEGNENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMSTANT SEG_TYPE_DIRECTORY = "80";
COMSTANT SEG_TYPE_DATA = "00";
                                                                                                                                                                                                                                                                                                                                                  OPPSET CONSTANTS (OFF ROOT)
                                                                                                                            CONSTANT FUNCTION CCDE_NAN = 1;
                                                                                                        A BANGE OF PUNCTION CODE
                                                                                                                                                                                                                                                                                                                                                                                                                                           COMSTANT CLASS HIW = 1;
COMSTANT COMPLOBITED = 1;
COMSTANT COMPLOBITED = 2;
COMSTANT TOP SECRET = 4;
COMSTANT TOP SECRET = 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DEPINITION OF SEG_TIPE
                                                                                                                                                                                                                                                                                                                   CONSTANT OFFSET RIM = 1;
CONSTANT OFFSET RAX = 63;
                                                                                                                                                                                                                                                                                                                                                                     CONSTANT DOD OFFSET = 1;
CONSTANT DOD OFFSET = 2;
CONSTANT CD OFFSET = 3;
CONSTANT FAS OFFSET = 4;
                                                                                                                                                                                                                                                                                                                                                                                                                          DEPISITION OF CLASS
                                                                                                                                                                                                                                                                          CONSTANT SOUT_SFGs - 1;
                                                                                                                                                                                                                       CONSTANT SPGS RIN = 1;
CONSTANT SPGS REX = 31;
                                                                                                                                                                                                                                                                                               A RANGE OF OPPSETS
                                                                                                                                                                                                                                                      A SEGO CONSTANTS
                                                                                                                                                                                                  PANCE OF SPGS
```

```
------
                                                                                                    * SPECIFIED AS MUNDER OF 256 BITE BLOCKS
                                                                           AN ACCESS CONTPOL LIST (ACL) PLEMENT CONSISTS OF (MODE, USEE, PROJECT)
                                                                                                                                                                                                                                                                                                                                                                          DEFINITION OF RERNEL RC (RC2 IS USED ONLY POR IPCRCY)
                                                                                                                                                                                                                                                                                                                                 IPCRCV PROCESS® IS REALLY (FROCESS®, COMAIN)
                                                             NOTE - ONLY SIZEZ IS CURRENTLY IMPLEMENTED
                                                                                                       CONSTANT NO ACCESS = 0;
CONSTANT READSEXECUTE_ACCESS = "4COO";
CONSTANT WRITESPEADSEXECUTE_ACCESS = "COCO";
                                                                                                                                                                                                                                                                                                                                             CONSTRAIT PROCESSO RASK = "7P";
CONSTRAIT DOMAIN_RASK = "80";
CONSTRAIT REREL_DOMAIN_RASK;
                  CONSTANT SIZET = 1; /e 256 BVIES e/
CONSTANT SIZEZ = 4; /e IR MYTES e/
CONSTANT SIZES = 16; /e 4K BVIES e/
                                                                                                                                                                                                                                                   COMSTANT PROCESS HIN = 1;
COMSTANT PROCESS AX = 7;
COMSTANT EXC_PROCESS = 1;
COMSTANT EXC_PROCESS = 1;
COMSTANT EXC_PROCESS = 2;
COMSTANT SCOPTI PROCESS = 2;
COMSTANT SCOPTI PROCESS = 4;
COMSTANT SCOPTI PROCESS = 5;
COMSTANT USER_PROCESS = 5;
                                                DIRECTORIES MUST RE SIZE2
                                                                                                                                                                              CONSTANT ALL PROJECTS = "7P";
CONSTANT SYSTEM_PROJECT = 1;
                                                                                                                                                 CONSTANT ALL DSPRS = "3FFF";
                                                                                                                                                               DEPINITION OF PROJECT
                                                                                                                                                                                                                                                                                                                                                                                        CONSTANT CK_PLAG = "FPPF";
                                                                                          DEFINITION OF RODE
                                                                                                                                    DEPINITION OF USER
                                                                                                                                                                                                                                      PROCESSE CONSTANTS
                                                                                                                                                                                                                CONSTANT PEGB_FIN = 7;
                                                                                                                                                                                                   PANGE OF BEGS
                                                                                                                                                                  •
                                                                                                                                                                                                    •
                                                                                                                                                                                                                                       •
                                                              .
                                                                             •
                                                                                          •
320
322
323
325
326
                                                           326
                                                                         327
```

SST CONSTRAT ERR PLAG " PPPD";
SSR CONSTRAT SEVERE PLAG " PPPD";
SSR CONFILED.
SSR LIMES WERE DETECTED.
SSS LL.

```
-20000-00
                                                                                                                                                                                                                                                                                                                    -----
                                                                                                                                                                                                                                                                                                                                                                                                  -------
                                                                                                                                                                                                      -000-0-000
-------
                                                                                                                                                                            * PLAGS, CHAIN, AND ASTE ALL SHARF A MORD - IT IS IMPORTANT THAT ASTE IS OBLY * MEANINGFUL MEN FLAGS = ALLCCATED = 5
                                                                                                                                                                                                                                                                                                                                                                                                                           * ACTIVATED - THE PUTRY (ASTE) IN THE AST POR EACH SEGRENT THAT HAS BEEN ACTIVATED - THE PUTRY CONTAINS ALL THE IMPORMATION MECESSARY TO PRRHIT A * PROCESS COMMECTED TO THE SEGRENT TO THABLE AND DISABLE ACCESS TO IT.
                                                                                                 ONE ENTRY FOR EACH 256 BYTE BLOCK - THE MBT REQUIRES1. 5K BYTES
                                                                                                                  AST TYPE;
AST STATUS;
AST CHANGE;
AST CLASS;
AST CLASS;
AST SIZE;
                                                                                                                                                                                                                                                                                                                                                                CONSTANT ASTERNIN = 1;
CONSTANT ASTERNIN = 255;
ASSOLUTE ("0700") APPAY ((0 TO ASTERMAX)) OF WORD HASH_TABLE;
                                                                                                                                                                                                                                                                                                                                             DEPTHITION OF THE HASH TABLE - BEQUIPESO, S BYTES
                    DEFINITION OF THE KERNEL'S VIRTUAL ADDRESS SPACE
                                                                                                                                                                                                                                                                                                                                                                                                         DECLARATION OF THE ACTIVE SECHENT TABLE (AST)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABSOLUTE ("0900") ARRAY (() TO ASTER MAX))
                                                                             DECLARATION OF MEMORY BLOCK TABLE
                                                           0 - PE CONTAIN INTERRUPT PECTORS
                                                                                                                                                                                                            CONSTANT BET FLAGS MASK = "CDDO";
CONSTANT BET CHAIN MASK = "SFFF";
CONSTANT FED_BLOCKE = "350";
                                                                                                                                                                                                                                                                        CONSTANT ALLOCATED = 0;
CONSTANT CONCENSATED = 0;
CONSTANT FREE RFE = 0;
CONSTANT FREE RFE = 0;
CONSTANT PREFERED RFM = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   THE AST REQUIRES OR BITES
                                        SEGRENTATION REGISTER O
                                                                                                                                                                                                                                                      SETTINGS OF FLAGS PIELD
                                                                                                                                                                                                                                                                                                                           FND OF HBT
                                                                                                                                                                                                                                                                                                                           •
                                                                                                                                                                                                                                                                                                                                                                                                          .
```

```
F WORD AST CAAIN;
F WORD AST ADP;
F WORD AST SWAP CHAIM;
F WORD AST SWAP CHAIM;
F WORD AST AGE CHAIM;
F WORD AST AGE CHAIM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CONSTANT IPC_MAX = 127;
ASSOLUTE ("1900") ARRAY ((0 TO IPC_MAX)) OF SYTE IPC_LINK:
ASSOLUTE ("1980") ARRAY ((0 TO IPC_MAX)) OF SYTE IPC_PROCESSE;
ASSOLUTE ("1980") ARRAY ((0 TO IPC_MAX)) OF SYTE IPC_PAA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DEFINITION OF IPC ELEMENT POOL - REQUIRESO. SK BYTES
                                                                                                                                                          TYPE, STATUS, CHANGE, UNLOCK, AND CLASS SHARE A BYTE
        00000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CONSTANT AST_DUNITIALIZED = AST_STATUS_HASK;
                                                                                                                                                                                                                                                                                                                                                                            CONSTANT AST_TYPE_DIPECTORY = AST_TYPE_MASK;
    ((0 TO ASTE-HAX)) O ((0 TO ASTE-HAX)) O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CONSTANT AST_UNLOCK_FLAG = AST_UNLOCK_NASK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                CONSTANT AST_CHANGED = AST_CHANGE_MASK;
CONSTANT AST_UNCHANGED_MASK = "DF";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CONSTANT WIRED DOWN HASK = "8000";
CONSTANT WIPED DOWN WOTHASK = "7FFF";
CONSTANT WIRED DOWN = WIRED DOWN HASK;
                                                                                                                                                        CONSTANT AGT_TYPE_BASK = #80#;
CONSTANT AGT_TYPE_BASK = #80#;
CONSTANT AST_STATUS_MOTHASK = #8F#;
CONSTANT AST_GHANCE_BASK = #8F#;
CONSTANT AST_UNIONE_BASK = #8F#;
CONSTANT AST_UNIONE_BASK = #1#;
CONSTANT AST_UNIONE_BASK = #1#;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            / BIT 9 OF CPL IS MIPED DOWN BIT
                                                                                                                                                                                                                                                                                                                                                                                                                  DEFINITION OF CHANGE BIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A DEFINITION OF STATUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DEPINITION OF UNLOCK
      ABSOLUTE ("0000") APBAT (ABSOLUTE ("1100") APBAT (ABSOLUTE ("1100") APBAT (ABSOLUTE ("1100") APBAT (ABSOLUTE ("150") APBAT (ABSOLUTE ("150") APBAT (ABSOLUTE ("150") APBAT (ABSOLUTE ("150") APBAT (ABSOLUTE ("170") APBAT ("170") ABSOLUTE ("170") APBAT ("170") ABSOLUTE 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CONSTANT ROOT_ASTER = 1;
                                                                                                                                                                                                                                                                                                                                            DEFINITION OF TYPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ASTRO CONSTANTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            END OF AST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    •
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          •
                                                                                                                                                                                                                                                                                                                                                                                                                    •
                                                                                                                                                                                                                                                                                                                                              .
```

•35	/* RECEIVING PROCESSES ARE PESTRICTED TO 9 RESSAGE PLENENTS	01/.
*36	CONSTANT IPC_OUGTA = 8;	-2-
111	/• FWD OF IPC FOOL	- 2-
436	A DECLARATION OF BIT MAPS	01/
66.33	/* BIT MAPS ARE USED BY THE DISK SPACE ALLOCATION MECHANISM. THERE IS AN AREA ON THY DISK FOR EACH SEGRENT SIZE, A BIT MAP FABLE FOR EACH DISK AREA, AND A BIT MAP	200
75	/* A BIT MAP TABLE CONTAINS & WORDS - STABT AND TWD ADDRESS OF THE BIT MAP, * BASE ADDRESS OF THE BIT MAP, * BASE ADDRESS OF THE DISK AREA, AND A SHIPT PACTOR	-00
***	/* THE INITIAL IMPLEMENTATION ALLOCATES THE ENTIRE DISK TO 1K BYTE SEGNENTS - * 512 DISK PAGES REQUIRE & 64 BYTE RIT RAP	- 22
988	ABSOLUTE ("1800") APEAY ((0 TO 3)) OF WORD BRT SIZE1;	-0
111		2:
	61819	20
450	(*1858	0
151	ABSOLUTION OF THE PARTY AND THE PARTY OF TORD BIT PAPEL	200
15:	BRTSI	200
2	CORREST STAILSTAN = "TTC".	-
550	/* EKD OF BIT SAPS	01/.
456	A DEFINITION OF SENAPHOPES	
150	MITH ACTIVE SEGMENTS	01/
458	COMSTANT REPREL SRPR = 256;	
459	COMSTANT DISK SHPP = 257;	2
191	("185C") ASRAY (() TO SMPR_MAX)) OF BYTE	22
462	("1050") ABBAY ((0 TC SMPB_MAX)) OF	٥.
163	/* END OF SEMAPHOPES	01%
9	/• HISCELLANOUS	
591	ABSOLUTE ("1564") WORD THE_CUFFENT_PROCESS;	-2
998		0.5
100	COMPARATE ANNUAL TIPE A STOCKET	20
691	COMSTANT CLASS FLAG = #2009";	0
471	CONSTANT PROCESSE FLAG = #1000 =:	22
210	CONSTANT HODE_PLAG = "0400";	2-
473	THE PROCESS TABLE - ONE ENTRY IN THE PT FOR EACH PROCESS	

```
_0000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ONE PS POP FACH PROCESS - PROCESS SEGMENTS ARE ALMAYS ACCESSED THROUGH KSR1
                                                                                                                                                                                                                                                                                                                    IS IMPORTANT THAT LINK IS ONLY
                                                   OF WORD PT KSAB1:
OF WORD PT KSAB1:
OF WORD PT KSAB1:
OF WORD PT KSAB2:
OF WORD PT KSAB2:
OF WORD PT KSAB3:
OF WORD PT K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CONSTANT PS_KSR_ADP = "F4C2";
CONSTANT PS_SDR_ADR = "200";
CONSTANT PS_SDR_ADR = "200";
ABSOLUTE ("2020") ARRAY ((0 TO 15)) OF WORD PS_SDR;
ABSOLUTE ("2020") WORD PS_CURREY PROCESS;
ABSOLUTE ("2040") WORD PS_PROCESS;
ABSOLUTE ("2044") WORD PS_PROCESS_MAKK;
ABSOLUTE ("2044") WORD PS_PROCESS_MAKK;
 MUST BE SEPERATED BY #20#
                    SEGMENTATION REGISTER 1 - PROCESS SEGMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOR AND SAR ARPAYS MIST RE SEPTRATED BY
                                                                                                                                                                                                                                                                                                                * PT_FLAGS AND PT_LINK SHERE A BYTE - IT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DECLARATION OF THE FROCESS SEGMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF PPOCESS IS WAITING FOR A MESSAGE
                                                                                                                                                                                                                                                                                                                                                                                                      DEPINITION OF FLAGS PITLD
                                                                                                                                                                                                                                                                                                                                                           CONSTANT PT_FLAGS HASK = "CC";
CONSTANT PT_LINK_HASK = "3F";
                                                                                                                                                                                                                                                                                                                                                                                                                              CONSTANT BLOCKED = "00";
CONSTANT BEADY = "460";
CONSTANT INACTIVE = "*0";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CONSTANT IPC MAIT = "FF";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                END OF PT
 800
                         •
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       •
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  •
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
6 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            507
```

```
SEGMENTATION STGISTERS 4, 5 & 4 - PROGRAM CODE OF THE KZRNEL
                                                                                                                                                                SEGNENTATION REGISTER 7 - CONTROL REGISTERS IN HIGH MEMORY
                                                                                                                                                                                                                      DEPINITION OF SUPERVISOR & USES SEGMENTATION PREISTERS
                                                                                                                                                                                                                                                                                                                                                                      CONSTANT REG CONSTANT = "578";
CONSTANT D-PEG HAX = "537";
CONSTANT SESS FRGE = 7;
CONSTANT SESS FRGE = 7;
ABSOLUTE ("TUBE") ARRA (() TO P_REG_HAX)) OF WORD SER;
ABSOLUTE ("TUBE") ARRA (() TO P_REG_HAX)) OF WORD SER;
ABSOLUTE ("FLAC") WORE SAR?;
                                              ABSOLUTE ("6000") ARRAY ((0 TO 1)) OF WORD ZERO ARRAY:
KSPR IS ALSO USED POR INITIALIZING SEGNENTS
                                                                                                                                                                                                                                                                                                                              PEG_CONSTANT = ((3PERO-3F4RO) /2) -4 = #578#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DEFINITION OF DESCRIPTOR REGISTER FIELDS
                                                                                                                                                                                                                                                                     S SPO IS AT 3F480, U SPO IS A 3FFRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CONSTANT SER MRITE_ACCESS = = 0.066";
CONSTANT SER PEAA_ACCESS = = 0.004.0";
CONSTANT SPECHANGE RASK = = 0.04.0";
CONSTANT SPECHANGE = SDECHANGE_RASK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KERNEL SEGMENTATION FEGISTERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABSOLUTE ("FF7A") WOPD STATUS_FEGO:
ABSOLUTE ("FFF7A") WOPD PSW:
COMSTRAT PREV HODE MASK = "1007) ".
COMSTRAT PREV HODE_SUPERV = "1007";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50 LUTE ( FF 4 CO ) W 8 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RISC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :
                                                                                                                                                             :
                                                                                                                                                                                                                                                                            •
                                                                                                                                                                                                                                                                                                                                 •
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :
```

NC ERROSS WERE DATECTED.
DATA MENEL 1 261 LINES WERE COMPLLED.
NO DEPOSS WERE DETECTED.
FATA GATE.

```
MORD, PPTURNS (MORD) (INITH), SECTIND, CHANGED), MORE, WORD, RETURNS (MORD) (GIVE), MORD, WORD, WORD) RETURNS (WORD) (CREATE, WORD, WORD, WORD)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (DISABLE),
WARD (UGOTNECT),
WARD (UGOTNECT),
(IPCREW),
(IPCREW),
WARD) (CHIRPP, OUTEN),
WARD) RETURNS (WORD) (DELETE, GTTM, GET3, ENABLE,
                         IN STAPTUP EVERY TIME
                            /* MUST CHECK INITIALIZATION OF INTERRUPT VECTORS * CHANGE IS MADE TO GATE (DATA OR PROGRAM)!
                                                                           1000
1000
1000
1000
                                                                                                                                                                                                                                                           PECLASE
PROCEDURE ACCEPTS (408D)
PROCEDURE ACCEPTS (408D)
PROCEDURE ACCEPTS (408D)
PROCEDURE ACCEPTS (408D)
PROCEDURE ACCEPTS (408T)
PROCEDURE ACCEPTS (408T), WO
PROCEDURE ACCEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                           EXTERNIT NERNET PHYSTIONS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INTERNAL FFRUEL PUNCTIONS
                                              PROCEDURE (SLEEP)
                                                                                                                                                                                                                                                                                                                                                                                                                        DECLARE (PC);
           TATA GATE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
```

PROCEDURE ACCETTS (MORE) (DRACE, P. V. SHARIN, SWAROUT, PUN), C. PROCEDURE ACCETTS (MORE) (SOADD), MORE) (LSD), PROCEDURE ACCETTS (MORE), WORE), WORE) (LSD), WORE), CREATER (MORE), WORE), WOR

677 DAIN CREMITE(ASTER, OFFST, CLASS, CAT, SEG_TYP', SIZE) BETURNS (RC);
679 PROCEDURY ACCEDTS (WCRD) RETURNS (WORD) (DAILOC);
87 INTERPORE RETECTED.
86 INTERPORE RETECTED.

```
CODE (3): 0.7-(0)
CODE (2): NOV 0.5
CODE (12): NOV 0.5
CODE (12): NOV 16.5
CODE (14): 3 M2 7.6
CODE (14): 3 M2 80.0
CODE (15): 5 M6 90.0
CODE (15): 1 M7 5.7
CODE (16): 1 M7 5.7
CODE (18): 1 M7 1.7
CODE (18)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     174

CODE (134): ROY -4(5),-(6)

CODE (140): ASL (6)

CODE (142): ROY #13400,2

CODE (150): ROY #13400,2

CODE (150): ROY #12,-(6)

CODE (150): ROY #12(5), (7)

CODE (150): ROY = 12(5), (7)

CODE (160): ROY = 12(5), (8)

CODE (160): ROY = 12(5), (8)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1126

CDDE (66): MOW -4 (5), - (6)

CDDE (66): MOW 04400, 2

CDDE (72): ADD (6) * 2

CDDE (100): MOY 1, - (6)

CDDE (100): MOY 1, - (6)

CDDE (100): BOY 077, - (6)

CDDE (110): BIC (6) * (6)

CDDE (110): BIC (6) * (6)

CDDE (112): MOY -10 (5), 3

CDDE (112): GMP -10 (5), 3

CDDE (120): BGT 2

CDDE (120): MOY -10 (5), 3

CDDE (120): MOY 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                134
7- - 54
                                                                                                                                                                                                                                                                                                                                                                                                                                    -1150
```

ed.

28

IF CLASS < (AST_CLASS(ASTER) & AST_CLASS_BASK);

IF CAT -= (AST_CAT(ASTEO) | CAT);

699 THEM: PC := PP_FLAG; FILUP LOCATION 12w TO 6 690 END; 691 IF CAI -= (ASI_CAI_(ASIE6

CHECK COMPATIBILITY REQUIREPRITS

:

69.

SC := WRITEDIS(ASTES);

CREATE IS INTERPRETATIVE DIRECTORY MRITE

SECUPITY CHECKS PIRST

• •

683

WORD (DISK_NDR);

FROGRAM CREATE:

THEN PO CHECK SIZE PREMETER - ONLY SIZEZ ALLOWED AT THIS TIME IF SIZE -** SIZEZ: CRECK SIZE PREMETER - ONLY SIZEZ ALLOWED AT THIS TIME IF SIZE -** SIZEZ: THEN PC := FRA_FLAG: FAN CHECK OFFSET PARANTER IF DEP_SIZE(OFFSET) -= 0: THEN FALLOCENTY SET FAND THEN FALLOCENTY SET FAND THEN FALLOCENTY SET FAND ALLOCHIC A TISK AREA FCE THE SECHENT ALLOCHET PREMETER - PERFORM STATE CHANGE A TILIENDESTORY WATHY FILL IN DIRECTORY WATHY FILL IN DIRECTORY WATHY FILL IN DIRECTORY WATHY	1202 1202 •/1202 •/1202 1200 CODE (202): MOV = 16(5), - (6) CODE (205): CMP = 0, (6) • CODE (204): JMP 0(7) CODE (214): JMP 0(7) CODE (220): MOY = -2, w (5)	1226 1226 -/1226 126 CODE (228): MOY -6(5),-(6) CODE (231): MOY 66060,2 CODE (234): MOY 66060,2 CODE (249): MOY 66060,2 CODE (249): MOY 66060,2 CODE (249): CDF (6),-(6) CODE (249): CDF (6),-(6) CODE (259): CDF (6),-(6)	CODE (254): JRP 0(7) 1266 1266 1304 CODE (265): ROY 4(5),-(6) CODE (275): BEQ 2 CODE (370): BEQ 2 CODE (370): JRP 0-2(5) 1310 1310	CLR GOV	CODE (342): NOV (6) -, -22(5) 1346 1346 1346
70	185. 180. 180. 180. 180. 180. 180. 180. 180	P LOCATION 2 PRO 2	100ATI	•	, , ,

DIP_TYPE(OFFSET) := (SEG_ITPE | DIR_UNINIALIZED | CLASS);

111

STR_CAT (OFFSET) := CAT;

712

FIXUP LOCATION 22 TO 2
35 LINES ARE COMPLIST, GENERATING 328 EYTES OF CODE.
BATA DRIETE
715 _1. DIR_DISK (OFFSET) := [ISK_ALF; DIR_SIZT(OFFSET) := SIZE; 714

6

2 2 2

LOAD SEGRENI DESCRIPTOR FOR DIPECTORY

IF AST_ADR(!STF0) = 0;

PROGRAM GFIDIR:

227

726 THEY: SWAPIY (ASTED); PIEUP LOCATION 46 TO 32 727 END; 728 LSD(ASTE), DIR_FSR_ADP, SDB_WRITE_ACCESS);
FIXOP LOCATION 14 TO 0
RC PROBS WERE DETECTED.
DAIA DELISEG
POSS WERE DETECTED.
729 __1_

0

730 FAIA DELETSEG(ASTER, DFFSET);
731 TECLARE CONTRESS (ACRD, MORD) (EFFF);
732 A LINES WERF CONFILED.
WC ERFORS WERF DETECTIO.

CODE (1): ADD ***

CODE (1): ADD **

CODE (1): ADD ***

CODE (1): ADD

PPROVE ANY ELEMENTS THAT MAY BE ON ACL CHAIN

PROGRAY DELETSES: DECLASE GOOD (INDEX, GASTES):

*** :

INDEX := TIP_ACL_HEAP(OFFSPT);

THEN THE OF

1 23 2

742 LOCATION 114 TO 4 THEN ACL_CHAIN(INDEX) = 9;

743 PROP LOCATION 120 TO 24

CODE(174): MUV (6).,U CODE(200): MOTEO.0(2) 1204 CODE(200): MOTEO.0(2) 1204 CODE(200): CODE(20): CODE(212): MOV -66100,2 CODE(2120): MOTEO.0(1): CODE(220): MOTEO.0(1): CODE(220): MOVEO.0(2)	CODE (246): MOTBO, 0 (2) 1/22 CODE (242): MOY -6 (5), - (6) CODE (256): MOY e60100, 2 CODE (256): MOY (6) + 0 CODE (256): MOY (6) + 0	1.264 1.264	CACAGO CON CONTRACTOR	CODE (322): MOV (6) +, 5 1322 1322 CODE (322): CLR - (6) CODE (324): MOV (5) + (6) CODE (326): MOV (6) + (6) CODE (330): CLR + (6) CODE (330): CLR + (6)	00 00 00 00 00 00 00 00 00 00 00 00 00	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-/ 414 CODE (376): MOW -14(5),-(6)
S ACL_CHARM(INDER) := ACL_CHAIW(0);		DIE ACC. HEAC (OFFSTT) := 0: DE LOCATION 52 TO 201 FROM TWO NOW BRIDE PETERBONN OFF		SOADD(ASTER, CPFST); /* DEACTIVATE IF ASTER OF CFFSFT (DASTER) IS AGED	OASTER :: HASH CTT DISK (OFFICE);		/* SET CHANGE BIT TO THCHANGED AND STATUS BIT TO INITIALIZED
7.8	3.	PITOP PEROP		121	752	753	755

CODE (402): CLR - (6)
CODE (406): SMP 2
CODE (406): JMP 0 (6)
CODE (401): MAP 2
CODE (401): MAP 2
CODE (402): MAP 44400, 2
CODE (403): MAP 60, 2
CODE (404): MAP 1, 6)
CODE (404): MAP 1, 6)
CODE (406): MAP 1, 6)
CODE (407): MAP 1, 6)
CODE (501): MAP 2, 6)
CODE (502): MAP 2, 6)
CODE (502): MAP 2, 6)
CODE (502): MAP 2, 6)
CODE (503): MAP 2, 6)
CODE (502): MAP 2, 6)
CODE (502): MAP 2, 6)
CODE (503): MAP 2, 6)
CODE (502): MAP 2, 6)
CODE (503): MAP 2, 6)
CODE (503): MAP 2, 6)
CODE (502): MAP 2, 6)
CODE (503): MAP 2, 6)
CODE (503 CODE (56b): MOV 5,-(6)
CODE (572): CLR -(5)
CODE (572): CLR -(6)
CODE (602): ASL (6)
CODE (602): ASL (6)
CODE (602): ASL (6)
CODE (603): ASL (6)
CODE (604): MOV -6(3),-(6)
CODE (604): MOV -2(5),2
CODE (614): MOV -2(5),2
CODE (614): MOV -2(5),2
CODE (614): MOV -2(5),2
CODE (614): MOV -6(5),-(6)
CODE (614): MOV -6(5),-(6)
CODE (614): MOV -6(5),-(6)
CODE (614): CLR -(6) 9951/ 1566 AST CHANG (CASTFO) := (AST_CHANGE(CASTFO) & AST_UNCHANGED MASK); IST_STATUS (DASTER) := (AST_STATUS (DASTER) & AST_STATUS_NOTHASK);

FREE UP RESOURCES - DISK SPACE AND DIRECTURY FATRY

758 DEACT (OASTE): FIRUP LOCATION 412 TO 152 759 END;

391

DPREE (DIS DISK (CFEFT), BMT_SIZE2_ADR);

191

36

757

CODE (040): MOY 00,000,000 CODE (652): MOY (610,000 CODE (654): MOY 0,0(2) 1662,000 CODE (654): MOY 0,0(2) 1662): MOY 0,0(2) CODE (672): MOY (610,000 CODE (772): MOY (610,000 CODE (772): MOY (610,000 CODE (772): MOY (610,000 CODE (772): MOY 0,0(2) 1706 CODE (772): MOY 0,0(2) CODE (774): MOY 0,0(2)

DIS_SIZE(CFFSFT) := 0;

763

DIP_DISK (CF STT) := ";

762

"65 AST_CHANGE(SITE) := (AST_CHANGE(AST**) | AST_CHANGED); ROP LOCATION 22 TO u

```
| 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 
                                                                                                                                                                                                                                                                                                                                                   DELETE IS AN INTERPRETATIVE DISTORDED AND STREET
                                                                                                       HORD (SPASTER, SASTER, SOFFSTI, TOPPSTI);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FLIMINATE CASE OF DATA SPGMENT
                                                                                                                                                                                                                                                                                                                                     /* DELETE IS AN INTERPETATION AND APPLICATION (ASTRO) = 788_ELAGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         773 THENS | PRIME | PRESENT | FRANCE | PRIME | PRESENT |
                                                                                                                                                                                                                             SECURITY CHECKS FIRST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /* IMPLEMENTATION CHECKS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            776 TAPN: PEUDAN WITH ERF FLAG: PEXUP LOCATION 36 TO 12 78C END; FLAININATE CASE OF DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IF DIM_SIZE(OFPSET) = 0:
```

PROSRAM DELETT:

5 5 5 5 5 5 5

CODE (152): MOV - 6(5), - (6) CODE (152): MOV - 660000, 2 CODE (152): ADD (6) • .2 CODE (154): MOV - 60000, 2 CODE (176): MOV - (6) CODE (177): MOV - (6) CODE (177): MOV - (6) CODE (176): COM (6) CODE (176): COM (6) CODE (202): MOV - (5), - (6) CODE (202): MOV - (6), - (6) CODE (202): MOV - (6), - (6) CODE (202): MOV - (6), - (6) CODE (202): CODE (202): MOV - (6), - (6) CODE (202): CODE (202): MOV - (6), - (6) CODE (202): CODE (202): MOV - (6), - (6) CODE (202): MOV - (6), - (6)	1254 1254 1254 •/1254 •/1254 CODE(254): JNP D(7) CODE(254): HOV -4(5),-12(5) 1262 1270 1270 1270 1270	CODE (272) : CLR - (6) CODE (272) : MOV 5,- (6) CODE (272) : MOV 5,- (6) CODE (274) : MOV (5),- (6) CODE (274) : MOV (5),- (6) CODE (274) : MOV (5),- (6) CODE (276) : MOV (27,- (6) CO	1342 1360 CODE(342): MOV -14(5), -(6) CODE(345): CLR -(6) CODE(350): CRP (6) +, (6) + CODE(350): BEQ 2 CODE(350): BEQ 2 CODE(350): CLR -(6) CODE(360): CLR -(6) CODE(360): CLR -(6) CODE(360): CLR -(6)
IF (DIS_TWD*(OFFSET) & DIR_T*PF_SASK) -= DIR_T*PF_DIRECTOSY:	THEN: DELETSEG(ASIE, OFFST): LOCATION 2212 TO ACT PLOS: COUTS CYCLEY CYCLE CYCLE START AT THE TOP OF THE CHAIN AND WORK DOWN SPRITE := ASTRA; CINTRE := ASTRA; CINTRE CHAIN AND WORK DOWN COURSET := OFFST; COURSE CYCLEY		SASTER : HASH (TIR_DISK (SOFFSET)):
25	1811 1811 1811 1811 1811 1811 1811 181	6 6	792

```
CODE (470): CMP (6), 2 (6)
CODE (474): BLE
CODE (474): JMP R5 77
CODE (502): MOV (6), -20 (5)
CODE (502): MOV (6), -20 (5)
CODE (512): ASI (6)
CODE (512): MOV -20 (6), -(6)
CODE (512): MOV D (6), -2
CODE (513): MOV D (6), -2
CODE (513): CMP (6), -(6)
CODE (513): MOV BO (1), -(6)
CODE (513): MOV BO (1), -(6)
CODE (513): MOV BO (2), -(6)
CODE (513): MOV BO (2), -(6)
CODE (513): COM (6), -(6)
CODE (513): CMP BO (1), -(6)
CODE (513): MOV BO (1), -(6)
CODE (370): MOV -12(5),-(6)
CODE (400): MOV -2(4),2
CODE (401): MOV -2(4),2
CODE (401): MOV -2(4),2
CODE (412): CDE (6)
CODE (412): CLR (6)
CODE (414): MOV (6).5
L422
                                                                                                                                                                                                                                                              CODE (422): ROV 5,-(6)
CODE (424): ROY 5,-(6)
CODE (445): CLR - (6)
CODE (440): ROY - 14(5),-(6)
CODE (440): ROY - 2(5),2
CODE (440): JSR 7,44(2)
CODE (440): JSR 7,64(2)
CODE (440): ROY 5,6
CODE (440): ROY 6),-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CODE (452): MOV 077,-(6)
CODE (456): MOV 01,-(6)
CODE (462): JRP 453(7)
CODE (466): INC (6)
                                                                                                                                                                                                                        ./1422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ./1452
                                                                                                                                                                                          1422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF DIE SIZE (TOFFSET) : 1:
THEN: ( OIE TYPE TOFFSET) 6 DIS TYPE MASK) = DIE TYPE DIRECTORY 1602
THEN: A GARANT ACCESS TO A DIRECTORY ENTRY-PREPARE TO 1602
1602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEATCH THE DIRECTORY TOR ENTITES OF NON- LEGO SIZE
                                                                                                                                                      THEN: SASTER := ACT(SPASTER, SOFFSET);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TO TOPEST := OFFSET MIN TO UPPSET MAK;
                                                                                                                                                                                                                                 LOAD SFGMENT DESCRIPTORS
                                                                                                                                                                                                                                                                                                                                                                                                                                         GTTATP (SASTER);
                                                                                                                                                                                               : GN 3
                                                                                                                                                                                                                                   .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
                                                                                                                                                      FIRE LOCATION 355 TO 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TINUP LECATION 464 TO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                         797
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9932
```

1610 CODE (610): MOW -20 (5),-16 (5) 1616 CODE (616): CAP (619, (6) +	CODE (624): JRP 953(7) 1630 1630 CODE (624): JRP 9(7)	CODE (630): NOV 5,-(6) CODE (631): NOV 5,-(6) CODE (634): CLR - (6) CODE (636): NOV -20 (5),-(6) CODE (642): NOV -20 (5),2 CODE (656): NOV -2 (5),2 CODE (656): NOV 5,6	1991		CODE (664): BR -100 CODE (665): CRP (61+ (61+	1670	70): MOV 72): MOV 74): CLR 76): MOV 75): MOV 75): MOV 76): JSR 76): JSR 76): JSR	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CODE (52): HOV (6) •, 5 1754 • 1754	CODE (754): NOV -12(5),- (6)
SPASTER := SASTER: SOFISE* := TOFISET:	REPEAT CINER CYCLES: PLSE: /* DELETE A DATA SPURMI ENTRY */		FPLCTSPG(SACTED, TOPPSET);	EMD.		TI GETAGE SI ABOLDERIG SIH:		GETDIB (SPASTEB);	DELETSEG(SPASTER, SOPESET); /* PINISHED?	
4. 9. 9 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9	FIRE LOCATION 600 TO 26		FIUP LOCATION 626 TO 34 810	FINUR LOCATION 536 TO 124	FIXUP LCCATION SOT TO 164	612 E4D; 613 /•		eren eren eren eren eren eren eren eren	815 DELET	

CODE (776): MOV 5,-(6)
CODE (1000): MOV 5,-(6)
CODE (1001): CLP -(6)
CODE (1001): MOV -4(5),-(6)
CODE (1001): MOV -2(5),2
CODE (1019): MOV 5,6
CODE (1020): MOV 5,6
CODE (1020): MOV 6),5
CODE (1020): MOV 6),5
CODE (1020): MOV 6),5
ING26 CODE (760): CMP -4(2), (6) + CODE (764): BEQ 2 CODE (766): JMP 0(7) CODE (772): JMP 453 (7) CODE (1042): NOV 0-1,4(5) 11050 CODE (1950): JRP 0-10(5) CODE (1036): JRP -566(7) CODE (1032): JMP -546(7) 11042 1776 9/1/1/0 0 LOAD SEGRENT DESCRIPTORS OF ORIGINAL DIRECTORY FIRDP LCCATION 26 TO 10
STEROPS MERE DETECTED.

MATERIAL MERE DETECTED.

MATERIAL MERE DETECTED.

MATERIAL MERE DETECTED. TXIT COUPTS CYCLES WHEN SPASIZE = ASTER; 820 FIXUP LOCATION 622 TO -334 PEPPAT COUTSP_CYCLED: GETDIP (ASTER); END CINNER_CYCLEN; IND COUTER_CYCLES: • PIKUP LCCATION 1030 TO -556 8C := OK_FL&G; FIXUP LOCATION 252 TO 566 823 "MI; PIXUP LOCATION 770 TO 4

822

654

#24

826 CATA GIVE (ASTER, OPPSET, HODE, USER, PROJECT) RETURNS (RC):
NC SEPOPS MERT DETECTED.
827 ______

2 2

el-

```
CODE (0): NOV 6.5

CODE (4): NOV 6.5

CODE (4): NOV 7, (5)

CODE (10): NOV 7, (5)

CODE (10): NOV 7, (5)

CODE (12): SUB 6, (6)

CODE (22): NOV 7, (6)

CODE (23): CODE (4): CODE (4): NOV 5, (6)

CODE (42): CODE (4): CODE (4): NOV 5, (6)

CODE (42): NOV 7, (6)

CODE (42): NOV 7, (6)

CODE (42): NOV 7, (6)

CODE (43): CIR (6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CODE(140): NOV -6(5),-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ***
*** - * - *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ...
                                                                                                                                                                                                                 GIVT WRITES INTO DIRECTORY (INTREPRETATIVE ARITE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEARCH FOR DUPLICATE ACL ELEMENT
                                                                 WORD (ACLES, INDEX, POSITION);
                                                                                                                                                                                                                                                                                   IF WRITEDIR(ASTER) = ERP_FLAG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         # THEN:

# PETTRN WITH SPE_FLAT;

# PETTRN WIT
                                                                                                                                           SECURITY CHECKS PIRST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /* IMPLEMPNTATION CHECKS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                841 PETURN WITH EPP_FLAG;
841 LOCATION 124 TO 12
842 EMD; SEARCH FOR DUPLICATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IP DIP_DISK(OPPST) = 0;
PROGRAM GIVE:
                                                                                                                                                                                                                      •
                                                                                                                                                .
                                                                                                                     5 5 5
```

```
1162

CODE (162): NOV -22(5),-(6)

CODE (170): CRP (6)*,(6)*

CODE (170): BPQ (7)

CODE (174): JRP 0(7)

CODE (200): JRP 0(7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOY -22(5), -(6)

ASL (6)

AND (6)00, 2

AND (6)00, 2

AND (6)1, -(6)

AND (6)2, -(6)

AND (6)3, -(6)

AND (6)3, -(6)

AND (6)2, -(6)

AND (6)2, -(6)

AND (6)2, -(6)

AND (6)2, -(6)

AND (6)3, -(6)

AND (6)2, -(6)

AND (6)3, -(6)

AND (6)3, -(6)

AND (6)3, -(6)

AND (6)4, -(6)4

A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CODE (336): MOV -22(5),-(6)
CODE (346): MOV 64600,2
CODE (346): ADD (6)*,2
CODE (350): MOV 1,-22(5)
1360
CODE (144): ROY 060100,2
CODE (152): ROY 0(1),1
CODE (155): ROY 1,-22(5)
1162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CODE (360): BR -100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CODE (362): CLR - (6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IF ((USFR = (ACL_USEP(INDEX) & ACL_USEP_NASF)) & (PROJECT = ACL_PROJECT(INDEX)) | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324 | 1324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  949 SCO .... RPTORN MITH ENR_FLAG: PEXES DOCATION 322 TO 12 051 051 051 051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     852 INDEX := ACL_CHAIN(INDEX); PIXUP LOCATION 202 TO 156
                                                                                                                                                   INDEX := DIP_ACL_HTAD (OFFSET);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ALLOCATE AN ACL ELEMENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CACLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     •
                                                                                                                                                   : :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      853
```

	€ .		3		3
	1 -	_		2 2	
		0 -			~
0		~ ~		00000	
		• •	ď	2	
0 ~		• •		- 2150	6 -
. 22 .	255				-5
90-	11-40			00	
- 0	> a 4 0 4	- a	m >	0000000	a. >
0000	OHENE	0 .	-10	OVEREN	300
	E0007	. 7	0	ESEEFFE	0.
					58
PROT	20044	0 0	N a	0000000	0.0
0	00			1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (0 220
2222	0 3 3 3 3 3		2 2 2		5 5 336
	2 M M M M M				
	-00000			20000000	
0000	00000	0.0	1 00	00000000	
8888	888888	ŭŭ	. 00	666666666666666666666666666666666666666	• 00

CHECKING COMPLETS - PERPOSM STATE CHANGE

858 THEN PETURN WITH ESS_PLACE 859 PLACE 859 CAPTON WE GO 12 880: 880: 4 CHECKING COMPLETS - P

ACLES := ACL_CHAIN(3); IF ACLES = C;

958

ACL_CHAIN (0) := ACL_CHAIN (ACLED);
/* DETTPHINE COPPECT POSTITON FOR NZW ACL FLEMENT POSITION := 0; 86.2 863

- .

| 630 CODE (634): MOV -24(5),-(6) CODE (649): ADD (6),2 CODE (649): ADD (6),1 CODE (640): CODE (6),1 CODE (640): CODE (6), CODE (651): CODE (6), CODE (651): MAP (7) 1666 CODE (6672): MOW -24(5),-(6) CODE (672): MOW 661600,2 CODE (676): MOW 66160,2 CODE (700): MOW B0 (2),1 CODE (704): MOW 1,-24(5) MOV - 6(5), -(6)
ADD (6), 2
ADD (6), 3
ADD (6), 3
ADD (6), 3
ADD (6), 3
ADD (7), 3
ADD (CODE (710): BR -31 | 5 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30 | 15 30

> THEN: POSITION := DIR_ACL_HEAD(OFFST); CICLE £69 869

.... FRIT MHEN ACL_CHAIN(POSITION) = 0; PINUP LOCATION 660 TO 4

POSITION := ACL_CHAIN (POSITION); PINUP LOCATION 664 TO 24 118

: CN3

47

IF DIR ACL_MEND (OFFSET) -= 0; THEN: IF ((USER = ALL_USERS) & (PROJECT = ALL_PROJECTS));

```
ASE (6)

MOV 661000, 2

MOV 6170, -(6)

MOV 63777, -(6)

MOV 63777, -(6)

MOV 6177, -(6)

MOV 6177, -(6)

MOV 6177, -(6)

MOV 617, -(6)
      1076

CODE (1102)

CODE (1102)

CODE (1104)

CODE (1124)

CODE (1124)
FIRDP LOCATION 604 TO 110
ESTS:
ESTS
IF ((USER = ALL_USERS) | (PROJECT = ALL_PROJECTS));
ESTS
ESTS
IF (ACL_USER(DIB_ACL_HERO(OFFSET)) & ACL_USER_MASK) -= ALL_USERS;
ESTS
                                                                                                                                                                                                                                                               THEN: POSITION := DIP_ACL_HEAD(OFFST);
                                                                                                                                                                                                                                                                            CACLE
```

```
11356

CODE(1344): CDR - (6)

CODE(1344): CDR - (6)

CODE(1345): CDR - (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (6) + (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CODE(1262): MOY -20(5),-(6)
CODE(1270): MOY -12(5),-(6)
CODE(1270): MOY -12(5),-(6)
CODE(1370): MOY 10(5),-(6)
CODE(1300): MOY 661-0.2
CODE(1310): MOY 661-2
CODE(1310): MOY 601-2
CODE(1310): MOY -20(5),-(6)
CODE(1310): MOY -20(5),-(6)
CODE(1310): MOY -14(5),-(6)
CODE(1310): MOY -14
           (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · (6) · 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .... FXIT WHEN (ACL_CHAIN(POSITION) = 0) | ((ACL_USER(ACL_CHAIN( | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 | 1336 
CODE(17/0): MOY #41///-(b)
CODE(174): COM (6)
CODE(176): BLC (6)-(6)
CODE(1200): MOY #41/77-(6)
CODE(1204): CMP (6)-(6)-(6)
CODE(1710): LRP (6)
CODE(1710): LRP (6)
CODE(1710): LRP (6)
CODE(1710): LRP (6)
CODE(1720): BLS (6)-(6)
CODE(1720): BLS (6)-(6)
CODE(1720): BLS (6)-(6)
CODE(1720): ALR (6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CODE (1260): BR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               •/11262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILL IN NEW ACL SLESSENT AND ADD TO CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ACL_RSEP (ACLEO) : = (USER | NODE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ACL_PROJECT (ACLES) := PROJECT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : Q N i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IP POSITION = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PINUP LOCATION 1234 TO 24"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PINUP LOCATION 1052 TO 206
892
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PIXUP LOCATION 774 TO 264
P83 EMD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FIRTUP LOCATION 526 TO 512
895 EVD;
896 /* FILL IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FIRUP LOCATION 714 TO 344
894 SND;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FIXUP LOCATION 1230 TC 4.
878.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         887
```

ADD (6) -2 ADD (6) -2 MOV (6) -1 MOV (6) -2 ADD (6) -2 MOV (6) -2 MOV (6) -2 MOV -20 (5) -(6) MOV -20 (6) -2 MOV -20 (6) -2 MOV (6) -2 MOV (6) -2 MOV -20 (6) -2	JAR 0(7) HOW -24 (5)(6) HOW -24 (6)(6) HOW (6)(7) HOW (1)(6) HOW (1)(6)	MOV -10(5),-(6) BRE 2 JHE 07 JHE 07 JHE 07 JHE 07 MOV 65,-(6) MOV -165,-(6) MOV -2(4),-(6) MOV -2(4),-(6) MOV -2(4),-(6) MOV -2(4),-(6) MOV -2(4),-(6) MOV -1,4(5) JHE 07-(6)
CODE(136): CODE(1372): CODE(1372): CODE(1402): CODE(1402): CODE(1416):	CODE (1446) CODE (1446) CODE (1452) CODE (1452) CODE (1470) CODE (1470) CODE (1470) CODE (1570) CODE (1572) CODE (1572) CODE (1572) CODE (1572) CODE (1572) CODE (1572)	11532 (1550 (100 E 11532) (100 E 11540) (100 E 11540) (100 E 11550) (100 E 1150) (100 E 1150)

ELST: ACL_CHAIN (ACLEO) := ACL_CHAIN (POSITION);

268

"GIVE" TAY RESCIND ACCESS PIGHTS IF YOUR -- WRITEFPEAUSTX TOUTE_ACCESS;

FINDP LOCATION 1444 TO 68
ESG 2ND:
896
1F 1005 1 H 1005 1 H WHITEPLALESYTCHILACES PIG

THEN: ACL CHAIN (ACLES) := DIR ACL HEAD (OPFSET);

668

991 FIND LOCATION 1154 TO 70

FIRUP LOCATION 14 TO 6 73 LINES WERE COMPILED, GENERATING 910 RYTES OF CODE.

FIND LOCATION 1546 TO 34 END;

9C := OK_PLAG:

· · ·

901 DATA RESCIND(ASTRE, OPESE), 19FR, PROJECT) RPTURNS (PC):
MC_ERBORS WERE DIFFCTED.
902 _1_

DATA PESCIND

```
| 134

| 134

| 135

| 136

| 136

| 136

| 136

| 136

| 136

| 136

| 136

| 136

| 136

| 136

| 136

| 136

| 136

| 136

| 136
                                                                CODE(74): NOV -6(5),-(6)
CODE(100): NOV -6(5),-(6)
CODE(104): NDD (6)+,2
CODE(105): NOV 10,-1
CODE(112): NOV 1,-16(5)
                                                                                                                                                                                                                                                                                    ./174
                                                                                                                                                                                                                                                                                                   ----
                            A RESCIND IS INTERPRETATIVE DIRECTORY ARITE
                                                                                                                                                                                                                                                                                                         SPARCH FOR SPECIFIED ACL ELENPAT
                                                                                                                                                                                                                                                                                                                                                                  INDEX := DIR_ACL_HFAD(OFFSET);
                                                                    IF WRITEDIR (ASTER) = FR9_FLAG;
PROGRAM FESCIND:
DECLASE
WORD (INDEX, SAVE_LAST):
                                  SPECIPITY CHECKS PIRST
                                                                                                                                                                                                                                                                                         IRPLEPRATATION CHECKS
                                                                                                                                                                                                                                               909 THEM:
910 SETTEN WITH EBS_FLAG:
FEXUP LOCATION 50 TO 12
911 END:
                                                                                                                                                                                                                                                                                                                                                                                                   IF INDEX = 7;
                                                                                                                                                                                                                                                                                                                                                                                   CYCLE
                                                                                                                                                                                                                                                                                           •
                                   :
```

906

912

610

515

910

916

917 918 ... RETURN WITH ERR_PLAG; FIXUP LOCATION 132 TO 12

```
CODE (272): MOV -16(5),-20(5)

1300

CODE (300): MOV -16(5),-(6)

CODE (310): MOV 661600,2

CODE (312): MOV 80(2),1

CODE (312): MOV 80(2),1

CODE (312): MOV 80(2),1
                                                                                                                                                                                                                                                                                                  MOT -16(5),-(6)
MOY 06(00),2
MOD (6),-2
MOD (6),-2
MOD 03777,-(6)
MOD 03777,-(6)
MOD 03777,-(6)
MOD 01,-(6)
MOD 01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CODE (322): BR -103
                                                                                              | IF ((USER = (ACL_USER(INDEX) & ACL_USER_RASK)) & (PROJECT = ACL_PROJECT(INDEX)) | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

1360

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      •/1324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            •/1324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CHECKING COMPLETS - PEPPOSH STATE CHANGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /* REMOVE POUND ACL ELEMENT PROM CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IP INDEX = DIR_ACL_HEAD(OFFSTI);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             926 INDEX := ACL_CHAIN(INDEX);
FIXUP LOCATION 270 TO 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SAVE_LIST := INDEX;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             END:
920
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  927
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             626
```

931 THEN: DIP ACL HEAD (OFFSET) :* ACL_CHAIN (INDEX):

932 PLOCATION 922 TO 90 938 EXUP LOCATION 922 TO 90 893 END:
933 /* AND FUT ON FREE CHAIN

ens ACL_CHAIN(IMDER) := ACL_CHAIN(0);

936 ACL_CHAIN(3) := INDEX: 937 /* NOW FOR THE MESSY PART 939 BC := OK_FLAG;
FIRD CATION 14 TO 4
39 LIMES WERE COMPILED, GENERATING 394 BYTES OF CODE.
DATA REALIR

CODE (370): MOY 061600,2
CODE (437): MOY 06100,2
CODE (437): MOY 06100,2
CODE (410): MOY (6),2
CODE (410): MOY (6),2
CODE (411): MOY (6),2
CODE (412): MOY 06100,2
CODE (412): MOY 12(5),-(6)
CODE (412): MOY 12(5

2 2 2

```
1124

CODE (75): MOY -4 (5), - (6)

CODE (76): ASL (5)

CODE (100): MOY 67400, 2

CODE (104): MOY (10), - 2

CODE (112): CLP (6), - (6)

CODE (113): CLP (6), - (6)

CODE (114): CLP (6), - (6)

CODE (124): MOY 5, - (6)

CODE (124): MOY 5, - (6)

CODE (124): MOY 5, - (6)

CODE (125): MOY 6(5), - (6)

CODE (132): MOY 6(6), - (6)
                                                                                                                                                                                                                                                                                                                              CODE (4): NOV 6,5
CODE (4): NOV 6,5
CODE (4): NOV 6,5
CODE (10): NOV 7,6): N
                              -----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ./172
                                                                                                                                                                                                                                                                                                                                                                  IF (AST_IMPE(ASTER) & AST_IMPE_HASK) -= AST_IMPE_DIRECTORY;
                                                                                                                                                                                                                                                                                      CHECK THAT SPECIPIED SEGRENT IS A DIRECTORY
PROGRAT READIR:
DFCLARE
WORD (CLASS, CAT, SEG_TYPE, STZE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A GAIN ACCESS TO THE DIPECTORY
                                                                                                                                                                                                          IMPLEMENTATION CHECKS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  990 ... PETURN WITH ERR_FLAG:
PIXUP LOCATION 56 TO 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF AST_ADP(ASTED) = 0;
```

•

CODE (154): NOT 5,- (6)

954 THEM: SWAPIK(ASTER); PINOP LOCATION 122 TO 30 955 END;

CODE (125): MOY (5), -(6)

CODE (176): THE (16)

CODE (176): MOY -2(4), -(6)

CODE (176): MOY -6(5), -(6)

CODE (176): MOY -6(5), -(6)

CODE (176): MOY -6(5), -(6)

CODE (178): MOY -6(6)

CODE (178): MOY -6(6)

CODE (17

/* SAVE CLASS, CAT, STG_ITPE, AND SIZE

959 THEN:
SECOND PRIDEN WITH SPR_FLAG:
961 EAU TO 12
961 EAU; SECOND SEC

LSD (ASTER, DIR_KSR_ADR, SDR_FEAD_ACCTSS);

956

CHECK THAT SPECIFIED OFFSET SKISTS

IP DIR SIZE (OPPSET) = C;

CLASS := DIP_CLASS(OFFSET) & DIR_CLASS_MASK;

6 36

CAT := DIP_CAT (OFFSET);

195

SEG_TYPE := DIR_TYPE(OFFSET) & DIR_TYPE_HASK;

596

SIZE := DIR_SIZE(OFFSET);

CODE (414): NOT 0-5600,2 CODE (424): NOT 0-(2),-(6) CODE (424): NOT 0-(2),-(6) CODE (434): NOT 0-5402,2 CODE (434): NOT 0-5402,2 CODE (444): NOT 0-(2),-(6) CODE (544): NOT 0-(2),-(6) CODE (544): NOT 0-(2),-(6) CODE (544): NOT 0-(4),-(6) REGAIN ACCESS TO USERS SEO STACK AND INSERT DATA SEG_TIPE_APARE := SPG_TIPE; CLASS_APARR := CLASS; :3212 =: 4844 - 5212 CAT APART := CAT;

KSDE3 := SDRC;

895

•

145

KSAP3 := SARD;

696

010

115

215

613 974 2

9C := OK_FLAG;

976 DATA USITEDIR (ASTER) RETURNS (PC):
2 LIMES WERE COMPILED.
977 _1_

```
CODE (73): MOV -4(5),-(6)
CODE (76): ASL (6),-(6)
CODE (100): MOV 012400,2
CODE (104): MOV 012,-(6)
CODE (105): MOV 012,-(6)
CODE (112): MOV 012,-(6)
CODE (112): CON 012,-(6)
CODE (123): CON (6),-(6)
CODE (124): BLC (6),-(6)
CODE (124): BLC (6),-(6)
CODE (124): BLC (6),-(6)
CODE (134): JNP 0,7)
CODE (136): JNP 0,7)
CODE (146): MOV 0-2,4(5)
CODE (146): JNP 0,7)
                                                                                                                                                                           -4 (5) .- (6)
69 -7400, 2
(6) -, 2
0 (2) -- (6)
- (6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CODE (152): NOT CODE (156): ASL CODE (166): NOT CODE (166): NOT CODE (166): NOT CODE (172): CLR CODE (173): CL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1
                                                                    CHECKS THAT SPECIFIED SPECIFIES A DIRECTORY AND THAT IT IS IN CURRENT PROCESS'S B IN HRITE HODE.

IF (AST_IVER(ASTER) & AST_IVER_HASK) -= AST_IVER_DIRECTORY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IF (AST_WAL (ASTER) & PS_PROCESS_BASK) = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         992 THEN: STUBN WITH ERR_FLAS: 974 END: 17 (AST WAL (ASTE) 6 PS PRO 085 IF (AST WAL (ASTE) 6 PS PRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     986 THEN: RETURN WITH REP_LAG: 989 LOCATION 136 TO 12 589 LEDS: 889 LF AST_ADR(ASTER) = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF AST_ADR(ASTED) = 0;
        FROGRAM WRITFDIR;
8 55 5
```

CODE (176): BEQ 2 CODE (204): AND 0(7) CODE (204): NOT (5, -(6) CODE (210): CLR -(6) CODE (212): NOT -4(5) -(6) CODE (212): NOT -4(5) -(6) CODE (212): NOT -6(5) -(6) CODE (226): CLR -(6) CODE (226): CLR -(6) -(6) CODE (236): CLR -(6) -(6) CODE (234): MOY 5,-(6)
CODE (234): MOY 5,-(6)
CODE (242): MOY -4(5),-(6)
CODE (242): MOY -4(5),-(6)
CODE (252): MOY -6,-(6)
CODE (252): MOY -5,-(6)
CODE (252): MOY -5,-(6) •/1234 1234

GAIN ACCESS TO THE DIRECTORY

PIUP LOCATION 202 TO 30
991 END; FAD. ACCESS TO THE

DIRECTORY WILL BE CHANGED - SET CHANGE BIT LSP (ASTE., DIR_KSP_ADR, SDR_WHITE_ACCESS); .

666

FIXUP LOCATION 14 TO 2
NC FREORS WERE DETECTED, GENERATING 234 RETTS OF CODE.
DATA SOAIL
E LILE
PS97 _1_ AST_CHANGE (ASTER) := (AST_CHANGE (ASTER) | AST_CHANGED); PC := OK_PLAG; 565 966

0

CODE (274): MOY -4(5),-(6)
CODE (100): MOY -4(5),-(6)
CODE (100): MOY -4(5),-(6)
CODE (110): MOY 64-00,2
CODE (110): MOY 1-(6)
CODE (124): MOY 10-(6)
CODE (124): EOY wando,2
CODE (130): MOY 6)-,0
CODE (130): MOY 6)-,0
CODE (130): MOY 8-1,+(5)
1346
CODE (146): MOY 8-1,+(5)

./1274

```
CODE (7): NOV 6.5

CODE (1): NOV 7.5

CODE (10): NOV 7. (5).

CODE (10): NOV 7. (5).

CODE (10): NOV 7. (5).

CODE (10): NOV 7. (6).

CODE (2): NOV (5). (6).

CODE (2): NOV (5). (6).

CODE (2): NOV (5). (6).

CODE (4): NOV (6). (6).

CODE (5): CODE (6): CODE (6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0911/0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1160
                                                                                                                                                                                                                 DETERMINE IF SEGMENT TO WHICH ACCESS HAS BEEN PESCINDED IS ACTIVE
PROGRAM SOADD:
DECLARE DECLARE BOCKESSE, MODE, RUGE, SEGE, DUMMY);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IP (ASTER -= 7) & (AST_CPL(ASTER) -= 0);
THEN:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOOP THROUGH ALL PPOCESS'S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ASTER := HASH (DIR_DISK (OFFSET));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :
                           1090
                                                                                                                                                                                                      1033
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1005
```

CODE (70): MOV -12(5),-(6)
CODE (70): GLR -(6)
CODE (100): BRE 2
CODE (100): BRE 2
CODE (100): BRE 2
CODE (100): BRE 2
CODE (100): BRE 3
CODE (100): MOV -12(5),-(6)
CODE (100): MOV -12(5),-(6)
CODE (112): MOV -12(5),-(6)
CODE (120): MOV 0(2),-(6)
CODE (120): MOV 0(2),-(6)
CODE (130): CLR -(6)
CODE (130): CLR -(6)
CODE (140): GRR -(6)
CODE (140): BRE 2
CODE (150): BRE 3
CODE (150): BRE 3
CODE (150): BRE 4
CODE (150): BRE 6
CODE (170): BRE 6

```
CODE (176): CRP (6), 2 (6)
CODE (2794; JRP 953 (7)
CODE (2794; JRP 953 (7)
CODE (2794; MDF 619, 2
CODE (2784; MDF 619, 2
CODE (3784; MDF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CODE (332): MOV -12 (5), - (6)
CODE (340): ASL (6)
CODE (344): ADD (61, 0, 2)
CODE (344): ADD (61, 0, 2)
CODE (352): MOV 0 (2), - (6)
CODE (352): MOV 0 (2), - (6)
CODE (352): MOV 0 (2), - (6)
CODE (354): DOD (12, - (6)
CODE (354): DOD (12, - (6)
CODE (370): CODE (61, 0)
CODE (370): DNE (61, - (6)
CODE (370): DNE (61, - (6)
CODE (400): MOV 0 (2), - (6)
CODE (400): CODE (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        •/1332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          THEN: LSD (PI_PS_ASTER (PROCESSS), PS_KSR_ADR, SDR_WRITE_ACCESS);
                                                                                                                                                                                          IF (PT_PLAGS(PROCESSO) & PT_FLAGS_BASK) -= INACTIVE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /* IS THIS PROCESS CONNECTED TO THE SEGMENT?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IF (AST_WAL (ASTER) & PS_PROCESS_RASK) = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IF (AST_CPL(ASTF0) & PS_PROCESS_MASK) -= 0:
THEN: A VES - DETERMINE MODE OF ACCESS -/
FIXUP LOCATION 172 TO 2
1038 IN TO PROCESS := PROCESS = IN TO PROCESS = MAX;
```

CODE (440): BEQ 2 CODE (442): JRP 0(7) CODE (446): MOV 840000,-16 (5)	CODE (454): JRP 0(7) CODE (460): ROY #-40000,-16(5) 1466	9981	9981/-	1542	CODE (466): CL9 - (6)	CLR	CODE (5/2): ROV -4(5): -(6) CODE (5/2): ROV -6(5): -(6) CODE (5/6): ROV -16(5): -(6)	JSR	HOV CL3	JAP	CODE(556): INC (6)		CODE(560): CMP (6),2(6)	125	100	CODE (622): BEQ 2	NON	CLR	CODE (652): JSR 7, 314 (2)	CLR	CODE (66.4) : 407 (6) 4, 5	1670	1670
THEN: HODE := PEADSFRECUTE_ACCESS;	FLSE: MODE :* WPITESREADSEXECUTE_ACCESS;	:	A DOPS PROCESS STILL HAVE ACCESS FIGHTS?	IN DESIGNACH (DASTNO, OFFICIA) - NEW FLAG: THUN:							XXII = 505 OI NIE = 545 = 1 = 545 Of	55 55 6 4 1									THEN: DCONNECT (SEGO, ASTEO);	:TIKE	END;
1015 FIXUP LOCATION and TO 12	1016 FIXUP LOCATION 456 TO 6		1 1	1020							PIXUP LOCATION 554 TO 2 1621	1022									1023	1024 PINUP LOCATION 626 TO 40	1025

FIXTP LOCATION 656 TO 2 10.26 FIXTP LOCATION 540 TO 132 FIXTP LOCATION 376 TO 274 FIXTP LOCATION 254 TO 416 10.29 FIXTP LOCATION 254 TO 416 10.29 FIXTP LOCATION 26 TO 476 10.30 FIXTP LOCATION 276 TO 476 FIXTP LOCATION 276 FIXTP LOCATION 276	-	CODE(672): CMP (6). (6) (6) (6)	1674	1674	1674	_	CODE (674): JRP -504(7) CODE (700): CRP (6)+, (6)+ 1702	.,1792	CODE (702): BOY 5,-(6) CODE (704): BOY (5),-(6) CODE (706): CLR - (6)	ROV	ADD	NON	NON	358	CODE (756): CLR
LOCATION 540 TO 100 LOCATION 540 TO 132 LOCATION 376 TO 274 LOCATION 254 TO 416 FND: LOCATION 266 TO 470 FND: APPRICABLE KSR2 /* RESTORE KSR2															
LOCATION 570 LOCATION 540 LOCATION 254 LOCATION 256 F #25 CM CM CM CM CM CM CM CM CM C	0 100	END:			7 416 FND:	3 470									
	LOCATION 570 :		LOCATION S40 T	1 976 NOTENOL	LOCATION 254 T	LOCATION 206 7	CN 3	•							

1012 LSD(PT_PS_ASIZe(THT_CHEPTNI_PROCESS), PS_KSR_ADR, SDP_WPITF_ACCESS); THOP LCCATION 156 TO 602 LADI.

CODE (762): JRP 9-10(5)

FIRE LOCATION 14 TO 14
35 LINES MEB? COMPILED, GENERATING 502 BYTES OF CODE.
DATA GETW

.

· ·

1635 DATA GETW(ASTP, CPESE) BETRENS (RC):
2 LINES WERE CONDILED.
NG EFFORS WERE DETECTED.

```
-/116
172
CODE (0): 0.7. (0)
CODE (1): NOV 6.5
CODE (1): NOV 7.65
CODE (1): NOV 7.65
CODE (1): NOV 7.65
CODE (1): NOV 7.65
CODE (2): NOV 7.65
CODE (2): NOV 7.66
CODE (4): NOV 7.66
CODE (6): NOV 6).5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           - 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 176

- 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             126
                                                                                                                                                           IF DSEARCH (ASTEC, OFFSET, WRITESREADSEXECUTE_ACCESS) = ERR_FLAG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CHECK FOR PRESERVATION OF SECURITY AND . - PROPERTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IF PS_CUR_CLASS -= (DIP_CLASS(OFFSET) & DIR_CLASS_HASK);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IP PS CURRENT PROCESS -= EXFC PROCESSO:
THEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1041 THEN:
RETURN WITH ERR_FLAS;
FINDE LOCATION TO TO 12
1043 END:
1044 IF PS_CURRENT_PROCESS == ERFC,
1045 THEN:
             SPCURITY CHECKS PIRST
                                                                                           STARCH DIPPCTORY ACL
                                                                                           .
1639
```

PROGRAM GETW:

CODE (176): MOW 0-2.4 (5) CODE (206): JRP 0-10 (5) 1210 1210		CODE (256): JRP #-10 (5) 1262 1262 1262	A 200	CODE (344): JRP 0-2,4 (5) CODE (344): JRP 0-10 (5) 1350 1350	CODE (350): NOV -6(5), -(6) CODE (354): ASL (6) CODE (354): ADL (6) -2 CODE (354): ADL (6) -2 CODE (354): NOV 06(2), -(6) CODE (354): NOV 06(2), -(6) CODE (340): NOV 02(1), -(6) CODE (400): NOV 02(1), 3 CODE (400): NOV 02(1), 3 CODE (410): CODE (
THEN: THEN: PRICE ALTH FPR_FLAG: PLAG: PLA	1051 IP PS_CUP_CAT -= DIR_CAT (OFFSET);	1052 1053 FIRUP LOCATION 246 TO 12 1054 END:	TETUR LOCATION 124 TO 440 1055 ELSE: 1056 1056 IF PS_CUR_CLASS (OTR_CLASS (OFFSET) 6 DIP_CLASS_RASK);	1C57 THEM: PETUPN WITH ERR_FLAG; FIXUP LOCATION 334 TO 12 1059 PAD;	1060 IF PS_CUB_CAT -= (DIB_CAT(OPFSET) PS_CUB_CAT): 1061 THEM: 1062 RETURN WITH ERR_PLAG:

CONNECT PROCESS TO AST FUTSY FOR THIS SECREM

IMPLEMENTATION CHECKS

. .

1065

1063 END: PHD: 1063 PHD: PRD: PRINTED LOCATION 264 TO 144 1064 END:

01

MC ERRORS WERE CETECTED. OFFCT) FILING (RC):

X LINES WERE CETECTED.

1070 _1_

CODE (14) : 154 (16) : 154 (16) : 154 (16) : 155 (16) : 1104 IF DSEAPCH(ASTES, OFFSET, READSEXECUTE_ACCESS) = ERP_PLAG; CHECK FOR PRESERVATION OF SECUPITY AND . - PROPERTY IF PS_CUR_CLASS < (DIR_CLASS (OFFSET) & DIR_CLASS_RASK); IF PS_CUR_CAT -= (DIR_CAT (OFFSET) | PS_CUR_CAT); SECURITY CHECKS PIRST SEABCH DIRPCTORY ACL 1075 THER. BETURN WITH TRP FLAG: PERSP LOCATION TO TO 12 1080 THEN:
RETURN WITH ERR_FLAG:
1081 CATION 152 TO 12
1082 RBD:
1083 IF PS_CUR_CAT == {DIR_CAT(O

1079

PROGRAM GFTR:

1671 1072 1073 1074

. •

```
CODE (250): CLR - (6)
CODE (254): NOV 5,- (6)
CODE (254): NOV 5,- (6)
CODE (256): NOV - (6),- (6)
CODE (256): NOV - (6),- (6)
CODE (270): NOV - (6),- (6)
CODE (370): NOV - (6),- (6)
CODE (310): NOV - (6),- (6)
CODE (310): NOV (6),- (6)
CODE (310): NOV (6),- (6)
CODE (310): NOV (6),- (6)
L316
CODE (315): NOV (6),- (6)
CODE (316): NOV (6),- (6)
CODE (146): MOV -6(5),-(6)
CODE (172): ASL (150
CODE (174): MOV 46C20,2
CODE (202): MOV 9(2),-(6)
CODE (202): MOV 9-2,-(6)
CODE (202): MOV 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              •/1250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1250
```

CONNECT PROCESS TO AST ENTRY FOR THIS SEGMENT

THPIFFENTATION CHECKS

: :

1087 1689

1085 ... SETHEN SITH EPP_FLAG: PINE LOCATION 234 TO '2 1086 EMD:

100

0

RC := CONVECT(ASTER, OFFSET, READSEAECUTE_ACCESS);

1091 DATA DSEARCH(ASTE, OFFSET, HODS) SETURNS (RC):
AC ERBORS WENE DETECTED.
1092 _1_

```
CODE (154): NOV 5,-(6)
CODE (156): NOV (5),-(6)
CODE (160): CLR -(6)
CODE (162): NOV -4(5),-(6)
CODE (164): NOV -5472,-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            116

116

120

CODE (0): COP (2): COP (2): CODE (1): NOT (2): CODE (1): COP (2): CODE (1): CODE 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1154
                                                                                                                               IF (AST_TYPE (ASTER) & AST_TYPE_HASK) -= AST_TYPE_DIRECTORY;
PEOGRAM DSFARCH;
DECLARE
WORD (INDEX, USER, PROJECT);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GAIN ACCESS TO DIRECTORY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1097 THEN: PETHSN MITH EFF_FLAG:
PINDP LOCATION 56 TO 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1102 THEN: SWAPIN(ASTED);
FIXUR LOCATION 122 TO 30
1103 END;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IF 45T_ADS (ASTES) = 0;
```

CODE (1/2): MOY = 0,- (b) CODE (1/2): MOY -2(4),2 CODE (2/2): JSR 7, #154 (2) CODE (2/2): MOY 5,6 CODE (2/10): CLR (6),- 5 (12/12): MOY (6),-,5 (12/14): CLR (6),-,5	•/1214	CODE (240; mov -6(5),-(6) CODE (220): MOV -66(1)00,2 CODE (224): ADD (6) *.2 CODE (225): MOVBO (5),1 CODE (235): MOV 1, 14 (5)	1236	1236	CODE (242): ROV - 14 (5), - (6) CODE (242): CLR - (6) CODE (244): CRP (6) + (6) + CODE (246): BEQ 2 CODE (250): JRP 0 (7) CODE (250): ROV - 2, 4 (5) CODE (254): ROV - 2, 4 (5)		1266	CODE (256): MOV -14 (5),-(6) CODE (274): MAY 661000,2 CODE (374): MOV 661000,2 CODE (302): MOV 615,-(6) CODE (315): MOV 637,-(6) CODE (312): COM (6) CODE (312): BLC (6)+(6) CODE (315): MOV (6)-(6)	A D D D D D D D D D D D D D D D D D D D		CLE RECOV
LSD(ASTER, DIR_KSR_ADR, SDR_WRITE_ACCESS); A NO MEED TO CHECK A USE BIT - ACL WILL BE EMPTY IF FYTRY IS NOT IN USE	A STARCH ACL FOR ELEMENT THAT GIVES CURRENT USER PERMISSION TO ACCESS			OFCLE 18 INDEX = 7:		College State Stat	LOCATION 252		USER := (ACL_USEP(INDEX) & ACL_USER_MASK);	PROJECT := ACL_PROJECT(INDEX);	
4011 2011	1106		1107	1109		1110	FIXOP		=	Ě	

```
1604

CODE (544): MOV -14(5),-(6)

CODE (554): A51 (6)

CODE (554): A0Y 66100,2

CODE (555): MOV 64100,2

CODE (555): MOV 6410,-(6)

CODE (556): MOV 62,-(6)

CODE (570): BIC (6),-(6)

CODE (570): BIC (6),-(6)

CODE (571): CRP (6),-(6)

CODE (574): CRP (6),-(6)

CODE (600): JRP 0-12 (5)

1616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CODE (616): MOY -10(5), -(6)

CODE (626): CRP -400000, (6) +

CODE (630): CRP -(6)

CODE (630): CRP -(6)

CODE (640): MOY -1-(6)

CODE (640): MOY -1-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                      1516

1516

CODE (516): MOV -14(5),-(6)

CODE (526): MOV 661606,2

CODE (526): ADD (6),2

CODE (526): MOVBO (2),1

CODE (530): MOVBO (2),1

1540
                                                                                                                    -20 (5) ,- (6)
-177,- (6)
(6) -, (6)
    0 (2) -- (6) (6) -- (6)
                                                                                                                                                                                                                                                           CODE (424): BOY 0.2010,2
CODE (434): CRP (6)-,(6)
CODE (436): CRP (6)-,(6)
CODE (442): BEQ 2
CODE (442): BEQ 2
CODE (442): BP 2
CODE (442): BP 2
CODE (443): BP 2
CODE (446): CRP (6)-,(6)
CODE (446): CRP (6)-,(6)
CODE (446): BEQ 2
CODE (446): BEQ 2
CODE (446): BEQ 2
CODE (446): CRP (6)-,(6)
CODE (504): BEQ 2
CODE (504): BEQ 2
CODE (504): BEQ 2
CODE (504): CRP (6)-,(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CODE (540): 88 -142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IT (MODE - WRITESREALSERECUTE ACCESS) 6 ((ACL_MODE(INDEX) 6 ACL_MODE_MASK) -= WRITESREADSERECUTE_ACCESS);
                                                                                                                                                                                                                                                                                                                                                                                                              PINUS LOCATION SIC TO 4
1115 --- EXIT WHEN ((USER = ALL USERS) | (USER = PS_USER_ID)) & ((PROJECT = 1115)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IN (ACL, MODE (INDEX) & ACL, MODE, MASK) = NO_ACCESS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1117 INDTX := ACL_CHAIN(INDEX);
FIXUR LOCATION 514 TO 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1127 THEN: THEN: WITH EMP_FLAG: PIXOP LOCATION 602 TO 12 1122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1123
```

```
CODE (654): MOV 0 (2), -(6)
CODE (664): MOV 0 (2), -(6)
CODE (664): MOV 0 (6)
CODE (654): MOV 0 -(40000, -(6)
CODE (704): MOV 0 -(40000, -(6)
CODE (704): MOV 0 -(6)
CODE (705): LN E
CODE (705): LN E
CODE (705): NOV 0 -(6)
CODE (704): MOV 0 -(6)
CODE (704): MOV 0 -(6)
CODE (704): MOV 0 -(6)
CODE (710): MOV 0 -(6)
```

1125 THFW:
PRING LOCATION 716 TO 12
1127 END:
1128 RC := OK_FLAG:
PIXUP LOCATION 14 TO 5
FIXUP LOCATION 14 TO 5
DATA CORNECT P
1129 L.

0-

MC EMBODS MEDE DETCTED. SPEC COMPLETO. PETURNS (BC):

MC EMBODS MEDE DETCTED.

CODE (100): CLR - (6)
CODE (104): MOV (5), -(6)
CODE (104): CLR - (6)
CODE (1104): CLR - (6)
CODE (1104): MOV - (6), -(6)
CODE (1104): MOV - 2(4), -(6)
CODE (1104): MOV - 2(4), -(6)
CODE (1104): MOV - 2(4), -(6)
CODE (1104): MOV - (6), -(6)
CODE (1104): MOV (6), -(6)
CODE (1104): MOV (6), -(6) CODE(0): 2,-(0)
CODE(1): NOV 6,5
CODE(1): NOV 6,5
CODE(10): NOV 7,(5)
CODE(10): NOV 7,(5)
CODE(10): NOV 7,(5)
CODE(10): NOV 1,(5)
CODE(10): NOV 1,(6)
CODE(10): NOV 1,(6)
CODE(10): NOV 1,(1)
CODE(10): NOV 1, 166
CODE (54): CLR - (5), - (5)
CODE (54): CLR - (6), - (5)
CODE (55): CRP (6), - (6), - (5)
CODE (65): BRQ 2, - (5)
CODE (66): BRQ 8-2,4 (5)
CODE (66): BRQ 8-2,4 (5)
CODE (74): JRP 8-12 (5)
1100 (6) • . 5 (6) • . 5 (6) • . - 22 (5) 1170 CODE(152): MOV -22(5),-(6) CODE(156): CLR -(6) CODE(160): CRP (6)+,(6)+ 1100 •/1100 -==--WORD (INDEX, WEXT, SEGO, ASTEO, HASH_VAL); IP ASTER = 9: /* THEN: NUST ACTIVATE */ DETTRAINE IF SECRENT IS ACTIVE ASTER := HASH(DIR_DISK(OFFSET)); SEG. := (PS_SEG (A) & SEG_MASK); 11196 THEN: PETTPN WITH ERR_FLAG: 11199 LOCATION 64 TO 12 PIND A FOEE SPG8 16 = 05aS al PROGRAM CONNECT; DECLARE 1142 1136 1141 1132 1135

FIRST LOCATION 146 TO 46

ELST: TRICKL(ASTER) 6 PS_PROCESS_MASK) == 7:

FIND LOCATION 272 TO 12
FIND LOCATION 214 TO 60
1150 LOCATION 214 TO 60
1151 /* UNAGE IF NECESSARY
1151 /* UNAGE IF NECESSARY
1152 IF AST_CPL(ASTER) = 0:

1154 THEN: INDEX := 0;

NEXT := AST_AGE_CHAIN (INDEX);

1155

CODE (16.2): BEQ 2
CODE (17.4): AND 2.6
CODE (17.4): AND 2.6
CODE (17.4): AND 2.6
CODE (17.4): AND 4.6
CODE (17.4): AND 6.6
CODE (17.4)

RI

CODE (404): CRP -22 (5), (6) * CODE (412): JRP 0(7) CODE (415): JRP 453 (7) 18.22 CODE (422): ROW -16 (5),-14 (5) 18.30 CODE (430): BR -26 18.32	CODE (432): NOT -14 (5), -(6) CODE (446): NSL (6) CODE (444): ASL (6) CODE (444): ASL (6) CODE (446): NOT 012400, 2 CODE (452): NOT 0124, 2 CODE (456): NOT 0124, -(6) CODE (456): NOT (6), -2 CODE (450): NOT (6), -2	CODE (474): MOY -22(5),-(6) CODE (500): ASL (6) CODE (502): ASL (6) CODE (504): MOY 00-2400,2 CODE (510): MOY 00-2400 CODE (512): ADD (6)-,2 CODE (514): MOY 00-0 (2) 1520	-, 1520 CODE (524): MOV -22 (5), - (6) CODE (524): MOV 012, - (6) CODE (524): MOV 012, - (6) CODE (522): MOV 012, 2 CODE (522): MOV 012, 2 CODE (556): MOV 014, 0 CODE (556): MOV 014, 0 CODE (564): MOV (6), 0	I S S S S S S S S S S S S S S S S S S S
¢.			1 81.	5 <u>-845K);</u>
4 TO 4 INDEX := MEXT = ASTR6; INDEX := MEXT; O TO 10		AST_AGT_CHAIM (INDEM) := AST_AGT_CHAIM (ASTER); SIT_AGT_CHAIM (ASTER) := 0;	ADD THIS PROCESS TO CONNECTED PROCESS LIST	AST_CPL(ASTES) := (AST_CPL(ASTES) PS_PROCESS_NASK); IR NODE = WPITE\$SEAD\$EXECUTE_ACCESS;
FIXUP LOCATION with TO a 1156 1157 EVD.		1150 AST_AGT_CHAIN (INDEX) 1160 AST_AGT_CHAIN (ASTER) 1161 PINDP LOCATION 336 TO 150 1161	1162 /* ABP T	1164 IF HODE = W

CODE(646): NOV 617400.2 CODE(654): NOV (6+.0 CODE(654): NOV (6+.2 CODE(656): NOV 0.0 (2) 1662	•//662	CODE (662): CLR - (6) CODE (668): ASL (6) CODE (668): ASL (6) CODE (672): ASL (6) CODE (674): MOV - 20200, 2 CODE (674): MOV 60, 2, CODE (674): MOV 60, 2, CODE (702): MOV 0 (2), - (6)	CODE (706): MOV #20200,2 CODE (712): MOV #619.¢ CODE (714): MOV #0.619.¢ L722 CODE (723): MOV -20 (5),-(6) CODE (723): MOV -20 (5),-(6)	CODE (734): MOV 6.22(5),-(6) CODE (734): MOV (6) • ,0 CODE (740): MOV (6) • ,0 CODE (740): MOV (6) • ,0 CODE (740): MOV (6) • ,2	1750
PS_PROCESS_MASK):					
THEN: AST "AL(ASTER) := (AST_AAL(ASTER) PS_PROCESS_MASK): 1166 END:	AND UPDATE PS_SEG		: (0) :: 65.286 (0) :: 85.286 (0) ::		PS_SFG(SFG*) := ASTG*; RC_:= SFG*; RC_:= SFG*;
1165 FIXUP LCCATI	1167				1169 PS_SFG(SFG= 1170 RC := SFGE:

FIRUP LOCATION 14 TO 12
40 LINES WERE COMPILED, GENERATING 498 SYTES OF CODE.
WC ERROPS WERE DETECTED.
DATA ECGNNECT

1772 NATA DOGWARDI(SEG., MOTES):
2 LINES WERE COMPILED.
1773 _____

```
CODE (0): 2,- (0)
CODE (2): MOV 6,5
CODE (4): ADD 66,5
CODE (17): MOV 7, (5)+
CODE (17): NOV 7, (5)+
CODE (12): NOV -6 (5),- (6)
CODE (22): ASL (6)
CODE (24): MOV 07400,2
CODE (24): MOV 07400,2
CODE (24): MOV 07400,2
CODE (24): MOV 07400,2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CODE (40): MOY -12(5),-(6)
CODE (44): CTP -(6)
CODE (50): BNE 2
CODE (50): BNE 2
CODE (54): BNE 2
CODE (54): BNE 2
CODE (54): BNE 2
CODE (54): MOY -6(5),-(6)
CODE (54): MOY -6(5),-(6)
CODE (74): MOY -6(7),-(6)
CODE (74): MOY -6(7)
CODE (74): MOY -7
CODE (7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -12(5),-(6)
-(6)
(6) •, (6) •
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CODE (152): MOV 017,- (6)
CODE (156): CLR - (6)
CODE (160): JMP 953(7)
CODE (164): INC (6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   •/1142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1204
                                                                                                     ---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IF (BLOCKS -= 0) & ((AST_UNIDOR(RSTES) & AST_UNIDOR_HASK) -= AST_UNIDOR_PLAG); THEN:
                                                                                                                               PROCESS MUST NOT HAVE ANY DESCRIPTORS ON SEGRENT LOCKED IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PIXOP LOCATION 162 TO 2
1184 DO REGE := 3 TO REGE_BAX;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MY BLOCKS TO THEIRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INLINE (ASL, BLOCKS);
                                                                   SORD (BLOCKS, PEGS);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BLOCK := AST_ADS (ASTE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INLINE (ASL, SLOCK®);
PROGRAM DCONNECT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     •
                                                                                                                               •
       1175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1193
                                                                                                                        1111
```

1196 THEN: DISABLE(PEG): PENIN LOCATION 234 TO 10 EVD: PINTS LOCATION 176 TO 70

DISCONNECT THIS PROCESS FIXER LOCATION 140 TO 130 1189 SND: END: 1186

.

1190

AST_CPL(ASTF0) := (AST_CPL(ASTE0) & PS_PROFESS_NOTARSK);

1111

CODE (272): MOV -6(5),-(6)
CODE (300): MOV -6(5),-(6)
CODE (300): MOV -6(5),-(6)
CODE (300): MOV -6(5),-(6)
CODE (312): MOV 6(1),-(6)
CODE (312): MOV 0.(2),-(6)
CODE (312): MOV 0.(2),-(6)
CODE (312): MOV 0.(2),-(6)
CODE (314): MOV 0.(2),-(6)
CODE (314): MOV 0.(2),-(6)
CODE (314): MOV 0.(2),-(6)
CODE (314): MOV (6),-,2
CODE (314): MOV 0.(2)
CODE (314): MOV 0.(2)
CODE (314): MOV 0.(2),-(6)
CODE (314): MOV 0.(2),-(6) RLE 2. (6)
RLE 4. (7)
RLE 4. (7)
ROY (6, -14 (5)
ROY (6, -14 (5)
ROY (6, -14 (5)
ROY (6, -14 (5)
ROY (10, -16)
ROY (10, -16)
ROY (10, -16)
ROY (10, -16)
ROY 5, -16
ROY 5, -16
ROY 5, -16
ROY 14 (5)
ROY 16 (6)
ROY (6) *5 CODE (266): BR -42 CODE (270): CMP (6)*, (6)* (6) 2 (6) CODE (166): C
CODE (17): 3
CODE (200): 3
CODE (210): A
CODE (210): A 272

```
AST (6) - (6) AST (7) - (6) AST (8) AST (8) ASD (8) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - (6) - 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOV 5,-(6)

MOV 5,-(6)

CLR -(6)

MOV -6(5),-(6)

MOV -6(5),-(6)

MOV -6(5),-(6)

MOV -6(5),-(6)

MOV -6(5),-(6)

MOV -6(5),-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CODE (634): NOV -6(5),-(6)
CODE (420): ADD (6) ... CODE (422): NOV 0.0(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CODE (632): BR -34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16.22
CODE (6.04):
CODE (6.04):
CODE (6.10):
CODE (6.10):
CODE (6.20):
CODE (6.20):
CODE (6.20):
CODE (6.20):
CODE (6.20):
                                                                                                                                                                                                                                                                                                                                                                                            CODE (# 42)

CODE 
                                                                                                                           ./1026
                                                                                                                                                                                                                               544
                                                                                                                                                                                                                           IF (AST WALLASTER) = 0) & ((AST OPL(ASTFE) & WIRED DOWN MASK) == WIRED DOWN);
THEK: /* FREE PROCESSES BLOCKED ON THE SEGMENT SERAPHORE */
                                                                                                                                                   A RESET SPRANDRES POR SEGRENT WITH EMPIY WRITE ACCESS LIST
                                                                       AST_BAL (ASTED) := (AST_BAL (ASTED) 6 PS_PROCESS_NOTHASK);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FIRDP LOCATION 574 TO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PINUP LOCATION 600 TO 32
                                                                                                                                                                                                                                                                                                                                                           CYCLP
```

1193 1192

*** 1196

CODE (702): MOV -6(5), -(6)
CODE (716): ADD (61, 2)
CODE (716): ADD (61, 2)
CODE (714): ADD (61, 2)
CODE (722): CLR -(6)
CODE (723): CLR -(6)
CODE (726): BDZ 2
CODE (730): JRP O(7)
CODE (730): JRP O(7)
CODE (730): JRP O(7)
CODE (730): ADD (61, -(6)
CODE (730): ADD (61, 2)
CODE (744): ADD (61, 2)
CODE (746): ADD (61, 2)
CODE (746): ADD (61, 2)
CODE (746): ADD (61, 2)
CODE (776): ADD (61, 2) CODE (1020): HOV -4(5),-(6) CODE (1020): ASI (6) CODE (1020): ASI (6) CODE (1030): ASI (6) CODE (1030): HOV 02020,2 CODE (1030): HOV 02020,2 CODE (1030): HOV 02020,2 CODE (1050): HOV 061,0 CODE (1050): CODE (1060): CLR - (6) CODE (1062): ASI (6) CODE (644): MOV #15314,2 CODE (655): MOV (61,40 CODE (654): MOV 6(5),2 166 CODE (664): MOV -6(5),-(6) CODE (664): CLR -(6) CODE (664): CLR -(6) CODE (664): MOV #1440,2 CODE (674): MOV #16140,2 CODE (674): ADD #161,2 CODE (674): ADD #161,2 CODE (674): MOV #161,2 11020 ·/11020 -/1702 AGE IF THIS IS THE LAST PROCESS TO DISCONNECT THEN: AST_AGE_CHAIN (ASTER) := AST_AGT_CHAIN(0);

1201 SHER POINTER (ASTE) := 0: PINTO LOCATION 542 TO 136 TER (ASTE) := 0: 1202 END:

IF AST_CPL(ASTEN) = 0;

1293 1204

SMFR_COUNT (ASTF#) := 1;

1200

PS_SEG(SEGO) := PS_SEG(0); 1209

.

AST AGE CHAIN(?) := ASTS: PINUP LOCATION 712 TO 64 12C7 EMD;

PHT SEGO ON PREF CHAIN

1208

CODE (1054): MOV -4(2),-(6) CODE (1070): BIS 6-100000, (6) CODE (1074): MOV 62200,2 CODE (1100): MOV (6) 0,0 CODE (1102): MDD (6) 0,2 CODE (1104): MOV 0,0 (2) CODE (1110) : JRF 8-10(5)

-

<u>e</u> <u>e</u>

1212 DATA ACT (DASTIG, DEFSET) FETURAS (RC):
2 LINES WEEF COMPILED.
1213 _1_

-/|46 CODE(2): 0. 2.-(0) CODE(2): NOV 6.5 CODE(1): NOV 6.5 CODE(1): NOV 7.(5) CODE(1): NOV 7.(5) CODE(1): NOV 80.6 CODE(1): NOV 80.6 CODE(1): NOV 80.6 CODE(1): NOV 80.6 CODE(2): NOV 80.6 CODE(3): NOV (2).-(6) CODE(3): NOV (2).-(6) CODE(3): NOV (2).-(6) CODE(3): NOV (2).-(6) CODE(4): NOV (2).-(6) CODE(4): NOV (2).-(6) CODE(4): NOV (2).-(6) CODE(4): NOV (2).-(6) | 54 CODE (54): MOV -14 (5).-(6) CODE (6): ASL (6) CODE (6): ADD (6).-2 CODE (7): MOV (2).-16 (5) 176 CODE (70): MOV -16 (5).-(6) CODE (102): MOV -16 (5).-(6) CODE (102): MOV -16 (5).-(6) CODE (10): MOV (6).-(6) CODE (110): CODE (12).-(6) CODE (110): CODE (12).-(6) CODE (12): MOV (7) CODE (12): MOV (7) CODE (12): MOV (7) CODE (12): MOV (7) AND PRET ASTER'S - LOOK ON AGE CHAIN ATABO OF PRES ASTY CHAIN IS IN ASTE O MOSD (ASTER, I, NEXT, HASH_VAL): NºXF := AST_AGT_CHAIN(I); ALLOCATE AN ASTE TWENT TP AST_CHAIN(0) = 7; 1 := (: CYCLE PROGRAM ACT: DECLARE 1217 1218 1219 1222 1223 1224

FIXUP LOCATION 126 TO 4 1225 EXIT WHEN AST_AGE_CHAIN (NPXT) = 5: 1226 FIXUP LOCATION 132 TO 10 1227 EMF:

CODE (134): NOV -16(5),-14(5)

CODE (144): NOV 5,-(6) CODE (146): NOV (5),-(6)

CODE (142): 88 -34

CODE (214): CLR - (6)
CODE (226): ASL (6)
CODE (226): ASL (6)
CODE (226): MOV - 12 (5), - (6)
CODE (224): MOV - 12 (5), - (6)
CODE (224): MOV (61, 2)
CODE (226): MOV (61, 2)
CODE (259): MOV - 12 (5), - (6)
CODE (259): MOV - 12 (5), - (6)
CODE (259): MOV - 12 (5), - (6)
CODE (259): MOV (61, 2)
CODE (259): MOV (61, 2)
CODE (274): MOV (21, - (6)
CODE (274): MOV (61, 2)
CODE (274): MOV (61, 2) CODE (174): CLR - (6)
CODE (176): ASL (6)
CODE (200): MOV 66400,2
CODE (204): ADD (6)*,2
CODE (206): MOV 0(2)*-12(5)
1214 CODE (340); CLB - (6) CODE (344); ROV (5), -(6) CODE (344); CLR - (6) CODE (346); CLR - (6) CODE (348); CLR - (6) CODE (354); ASL (6) CODE (354); ASL (6) CODE (364); ROV (6) • 2 CODE (364); ROV (6) • -2 CODE(190): CLR - (6) CODE(155): ROY - 16(5), - (6) CODE(156): ROY - 2(1), 2 CODE(156): JSR 7, 2020 (2) CODE(165): ROY 5, 6 CODE(170): CLR (6) * (172): ROY (6) *, 5 ./1214 */1174 1174 A REMOVE THIS ASTE FROM THE FROM CHAIN AND AGE AST_AGP_CHAIN (ASTTA) := AST_AGE_CHAIN(0); AST_CHAIM (0) := AST_CHAIM (ASTED); /* UPDATE HASH DATA SASE AST_AGE_CHAIN(0) := ASTE*; A FREF ASTER TXISTS ASTER := AST_CHAIN("); 1228 DEACT (NEXT): FIXUP LOCATION 44 TO 126 1229 EVD;

1233

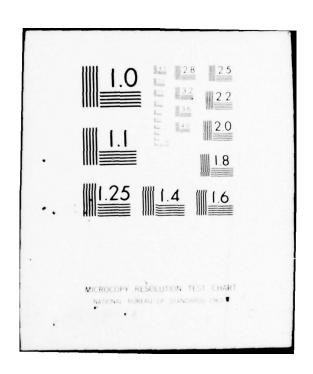
1235

1234

1232

1231

AD-A034 220 MITRE CORP BEDFORD MASS F/6 9/2 COMPUTER PROGRAM SPECIFICATION FOR THE SECURITY KERNEL FOR THE --ETC(U) OCT 76 S R HARPER F19628-77-C-0001 UNCLASSIFIED MTR-3178-VOL-2 ESD-TR-76-288-VOL-2 NL 2 oF 3 AD A034220 inte Male 差進江



CODE (170): MOV - 2(4), 2

CODE (400): MOV - 2(4), 2

CODE (400): MOV (6), -20 (5)

LODE (420): MOV (6), -20 (5)

CODE (420): MOV (6), -20 (5)

CODE (420): MOV (6), -20 (5)

CODE (420): MOV - 20 (5), - (6)

CODE (420): MOV - 12 (5), - (6)

CODE (420): MOV - 12 (5), - (6)

CODE (420): MOV - 12 (5), - (6)

CODE (520): MOV - 12 (5)

1

1239 AST_CHAIW (ASTPR) := MASH_TABLE (MASH_WAL) :
1239 HASH_TABLE (MASH_WAL) := ASTZR:
1240 /* CLEAN UP AST_ENTOY
1241 AS:_ADR(13TPR) := 0:
1242 AST_CPL(ASTER) := 0:
1243 AST_CPL(ASTER) := 0:
1244 /* FILL IN AST_FFRE

HASH_VAL := PPEHASH(DIP_DISK(OFFSFT));

A D D D D D D D D D D D D D D D D D D D	400 A A B B B B B B B B B B B B B B B B B	CODE (736): MOV 0,0 (2) (192, CODE (742): MOV -12 (5),- (6) CODE (752): ASL (6) CODE (752): ASL (6) CODE (754): MOV 66660,2 CODE (756): MOV 9(2),- (6) CODE (751): MOV 9(2),- (6) CODE (772): MOV 9(2),- (6)	1002 1004 1004 1004 1004 1004 1004 1004 1004 1006 1007 1004 1006 1007 1006 1007 1006 1007 1006 1007 1006 1007 1006 1007 1006 1007	CODE(1106): ADD (6) +,2 CODE(1110): MOVBO,0(2) 1114
AST_CLASS(ASTFe) := DIS_CLASS(OPPSET); /* SETS TYPE, STATUS */	AST_CAT(ASTF) := DIR_CAT(OFFSFT);	AST_DISK(ASTTO) := TTO_DISK(OFFSST);	AST_SIZE(ASTF0) := DIF_SIZF(OFFST); IF (DIF_SIATUS(OFFST) & DIF_STATUS_*\SK) = DIR_UNIWITIALIZED:	THEM: DIR_STATUS(OFFSET) := (DIR_STATUS(OFFSET) 6 DIR_STATUS_NOTHASK);
1345	1286	5	2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1250

A DIRTCIORY HAS BEEN WALTERN INTO - 4UST SET CHANGE BIT

1521

4

1252 Titin incress to 2 To 114 (145TE) := (AST_CHANGE(DASTER) | AST_CHANGED); 1268

INTITALIZE STRAPHCRE ASSOCIATED BITH SEGRENT

1255 SHER_COUNT(ASTER) :- 1;

1247 C : ASTA:
FINDE LOCATION 14 TO SCHOOL COMPILED, GENERALING 572 BYIES OF CODE.
BUT BROSS 4552 DETECTED.
1253 _____

-/!!!!#

CODE (1114): MOY -4(5), -(6)

CODE (1120): MOY 94400, 2

CODE (1120): MOY 94400, 2

CODE (1130): MOY 16), -(6)

CODE (1136): MOY 16, -(6)

CODE (1136): MOY 16, -(6)

CODE (1144): MOY 16, -(6)

CODE (1154): MOY (6) -, 2

CODE (1154): MOY (6) -, 2

CODE (1154): MOY (6) -, 2

CODE (1154): MOY 1-(6)

CODE (1154): MOY 1-(6)

CODE (1120): MOY 1-(6)

CODE (1120): MOY 1-(6)

CODE (120): MOY 1-(6)

CODE (120): MOY 1-(6)

CODE (1210): MOY 1-(6) -, 2

CODE (1220): MOY 1-(6) -, 2

CODE (1220): MOY 1-(6) -, 2

CODE (1220): MOY 1-(6) -, 3

CODE (1220): MOY 1-(6) -, 4

LIZE

CODE (1220): MOY 1-(6) -, 4

CODE (1220): MOY 1-

1259 tala Deacrescript; 2 Lines were comprise. 1260 .1.

CODE (100): MOV -12 (5), -(6)
CODE (104; ASL (6); -(6)
CODE (112): ASL (6); -(6)
CODE (112): MSL (6); -(6)
CODE (120): MOD (6), -2
CODE (120): MOV (120, -(6); -(6 -, | 16 cobe (0): 2,- (c) cobe (0): MOV 6,5 cobe (10): MOV 6,5 cobe (10): MOV 6,5 cobe (12): SUB 0,6 cobe (12): CLR - (6) cobe (10): CLR - (6) CODE(70): BOV -14(5),-12(5) CODE (76): 68 -26 CAN NOT PPACTIVATE AN UNINITIALIZED SEGMENT AST_AGE_CHRIM(INDFX) := AST_AGE_CHAIN(ASTED); BORD (HASH_VAL, INDEX, NEXT); MENT := AST_AGT_CHAIN (INDEX) ; PINUP LOCATION 62 TO 4 1266 FALT MHEN NEXT = ASTIG: PENOVE PROM AGE CHAIN AST_AGE_CHAIN(ASTER) := "; PIXUP LOCATION 65 TO 10 INDEX := "; PROGRAM DEACT: CACLE 1264 1265 1267 1272 1271

MOT -4(5)...(6)

MOD (6)-2

MOD (6)-2

MOD (1)-2

MOD (1)-(6)

MOT 1-(6)

MOT 1-(6)

MOT 5-(6)

MOT 6-(6)

MOT 6-(6) CODE (146)
CODE (172)
CODE (173)
CODE (173)
CODE (174)
CODE (174) 1 342 •/1342 TF (AST_STATUS(ASTEO) & AST_STATUS_BASK) = AST_UNINITIALIZED; PPMOVE THIS ASTE PROM HASH TABLE OF HASH CHAIN SEAPONT IT IN MAIN MENORY FIMP LOCATION 226 TO 30
1276
1277
7 SMADOUT IF IN MAIN
1278
IF AST AND (ASTER) : - - - -IF AST_ADR (ASTER) TE 7: THEN: STADON (ASTER): LOCATION 310 TO 30 END:

1274

(6) - (6) (6) - (6) (7) - (6) (7) - (6) (7) - (6) (7) - (6)

CODE (342) CODE (346) CODE (346) CODE (350) CODE (350) CODE (360) CODE (360) CODE (360) CODE (360) CODE (360) CODE (460) CODE (460)

1283 IF HASH_TABLE (HASH_WAL) := AST_CHAIX(ASTER); 1284 THASH_TABLE (HASH_WAL) := AST_CHAIX(ASTER); 1285 ELST: HASH_TABLE (HASH_WAL) := AST_CHAIX(ASTER); 1286 CTC.** 1287 TIME LOCATION STR TO A THASH_TABLE (HASH_WAL); 1289 THUR LOCATION STR TO A THASH WAL IT MEXT; 1289 THUR LOCATION STR TO A THASH WAL IT MEXT; 1289 THUR LOCATION STR TO A THASH WAL IT MEXT; 1289 THUR LOCATION STR TO A THASH WAL IT MEXT; 1289 THUR LOCATION STR TO A THASH WAL IT MEXT; 1290 THUR MASH_WAL IT MEXT; 1290 THUSH MASH_WAL IT MEXT; 1290 THUSH MASH_WAL IT MEXT; 1290 THUSH MASH_WALD IT MEXT THUSH M	CODE(410): MOV (6)*,-10(5)	1446 CODE(414): MOV -1C(5),-(6) CODE(422): MSL (6) CODE(422): MOV 8400,2 CODE(424): MOV 8(2),-(6) CODE(434): MOV 8(2),-(6) CODE(434): CMP -4(5),(6) CODE(434): MOV -1C(5),-(6) CODE(444): MOV -1C(5),-(6) CODE(444): MOV -1C(5),-(6) CODE(445): MOV -1C(5),-(6)	CODE (462): MSL (6) CODE (462): MOW # 644C0,2 CODE (466): MOW (6) * 2 CODE (470): MOW (6) * 2 CODE (502): MOW (6) * 2	CODE(516): JHP 0(7) CODE(519): MOV -10(5),-(6) CODE(520): ASL (6) CODE(523): MOV 03400,2 CODE(526): ADD (6)*,2 CODE(526): MOV 0(1)*,2	1346 CODE (542): ASL (6) CODE (542): ASL (6) CODE (542): ASL (6) CODE (544): MOV 640.0, 2 CODE (550): MOV 6(2), -14 (5)	DEC CHE	1602 CODE(602): NOV -14(5),-10(5) 1619	CODE(610): BR -26	CODE (612): NOV -10(5),-(6) CODE (612): NOV -40(5),-(6) CODE (623): NOV -4(5),-(6) CODE (624): ASL (6) CODE (624): ASL (6) CODE (624): ASD (6),2 CODE (634): NOV 0(2),-(6) CODE (634): NOV 0(5),-(6) CODE (634): NOV 0(6),0 CODE (634): NOV 0(6),0 CODE (634): NOV 0(6),0	
	HASH_VAL := PPEHASH(AST_DISK(ASTEB));	HANE TABLE (HANH VAL) = ACTOR:	TREES (HASH_VAL) := AST_CHAIN(ASTER)	PLSE: MASH_TABLE(MASH_VAL);	47040		LOCATION 574 TO 4 TO 4 TO 4 ASTRO1 HASH WAS A MERCY	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		AST_CHAIN (HASH_VAL) := AST_CHAIN (ASTER);

1291 AST_CHAIN (HASH_WAL) := AST_CHAIN (ASTEC); PIEUP LOCATION 512 TO 140

1054 10654 107654 107662) 1367 107662) 1367 107662) 1376 1076620 ADD THIS AST PYTSY TO THE PRIE CHAIN AST_CHAIM (ASTED) := AST_CHAIM (*); END: 1292 1354

AST CHAIN(0) := ASTTO;

1207 DATA TANBLERSTOP, FEG.) BETTENS (BC):
2 LIVES MEET CO-PILED.
1208 ...

```
1252

CODE (125): MOV -4(5),-(6)

CODE (132): MSL (6)

CODE (134): MOV (100,2)

CODE (142): MOV (12,-(6)

CODE (142): MOV (12,-(6)

CODE (142): COM (6) *2

CODE (152): COM (6)

CODE (155): COM (6)

CODE (154): MNE 2
                                                                         CODE (3): MOV 6,5

CODE (1): MOV 6,5

CODE (1): MOV 7, (5)-

CODE (12): SUB 40,6

CODE (15): MOV -6(5),-(6)

CODE (19): MOV -6(5),-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                           1114

CODE (66): ASL (6)

CODE (66): ASL (6)

CODE (70): MOV 620040,2

CODE (70): MOV (2),4

CODE (70): MOV (6),4

CODE (102): CLR - (6)

CODE (104): CRP (6),4

CODE (104): MOV 9-2,4

CODE (110): JRP 8-10 (5)

116

116
                                                                                                                                                                                                                                                                                                  CODE (50): JHP 0(7)
CODE (54): MOV -6(5),-12(5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              •/1126
                                                                                                                                                                                                                                                                                                                                                                                       -/162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IF (AST_CPL(ASTER) & WIRED_DOWN_RASK) -* WIRED_DOWN) & (AST_SIZE(ASTER) > PS_GER_UOTA);
PROGRAM EMABLT:
DECLARE WORD (P_SEGS, MODE, SEG_ADP, INDEX, NPXI);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SPACE IN USER'S MEMORY MUST BY AVAILABLE
                                                                                                                                                                                                                                                                          1193 THEN LOATION 32 TO 20
                                                                                                                                                                                                                                                                                                                                                                                                   PEGISTER MUST RE FIRE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1308 THEN: PETTEN WITH PRE-FLAC:
PETUP LOCATION 112 TO 12
1310 THEN FRE-FLACE
                                                                                                                                                                                                                                                                                                                                      1304 ELECATION 52 TO A PEGG := PFGG;
PINUP LOCATION 52 TO A PFGG := PFGG;
1305 FND;
                                                                                                                                                                                                                                                                                                                                                                                                                               IL PS SAR (8568) 25 71
                                                                  IF BEGS > CROSS PEGS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :
       1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1311
                                                                  1 30 2
                                                                                                                                                                                                                                                                                                                                                                                               1306
```

```
1410

CODZ (346): MOV -4(5),-(6)

CODZ (352): MOV 40400,2

CODZ (356): ADD (6)+2

CODZ (356): MOVBO (2),1

CODZ (354): MOV 1-(6)

CODZ (354): MOV 1-(6)

CODZ (374): BLC (6)+(6)

CODZ (374): BLC (6)+(6)

CODZ (374): BLC (6)+(6)

CODZ (374): ADD (7)

CODZ (374): ADD (7)
                     MOV 21,-(6)

MOV 200,2

ADD (6):0,2

MOV 20116,2

MOV 21,-(6)

BLT 2

CL 2

CL 3

MOV 21,-(6)

BLT 2

CL 3

MOV 21,-(6)

BLT 3

MOV 21,-(6)
                                                                                                                                                                                                                                                                                                                                                   ASC (6)

ASC (6)

AND (7)

AND (8)

CLR (6)

CLR (6)

CR (6)
                                                                                                                                                                                                                                                                                                       CODE (176)

CODE (270)

CODE (270)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               971346
```

A PPHOVE PROT SUAP CHAIN IF VECESSARY FIXEP LOCATION 314 TO 30 1321 1321 /* PPHOVE PROF SHAP CH1321 /* PPHOVE PROF SHAP CH1322 IF (AST_UNLOCK(ASTES) & A

IP (AST_UNLOCK(ASTED) & AST_UNLOCK_MASK) = AST_UNLOCK_PLAG:

1314 THERE SELECTION NITH SECENTS: FILID LOCATION 250 TO 12

SWAFIN IF MECPSSARY

1316

IF AST_ADR(ASTER) = 0:

CODE(412): MOY (6)*,-20(7) 1416 CODE(446): MOY -20(5),-(6) CODE(426): MSL (6) CODE(420): MSL (6) CODE(430): MSL (6)*,2 CODE(430): MOY 01040,2 CODE(430): MOY 010,-22 (5) 1440 01: MOY -22 (5),-(6) CODE(440): MOY -22 (5),-(6) CODE(440): MOY -22 (5),-(6) CODE(450): MOY 07) CODE(450): MP 453 (7)	1962 CODE(462): MOV -22(5),-20(5) 1470 CODE(4170): BR -26 1472	CODE (472): NOY -26(5),-(6) CODE (476): ASL (6) CODE (504): ASL (6) CODE (504): ASL (6) CODE (504): ASL (6) CODE (514): NOY 0 (2),-(6) CODE (514): NOY 0 (2),-(6) CODE (520): NOY 0 (2),-(6) CODE (520): NOY (6),-0 CODE (520): NOY (6),-0 CODE (526): ADD (6),-0 CODE (526): ADD (6),-0 CODE (536): NOY 0,0(2)	CODE (534): MOV -4 (5),- (6) CODE (542): ASL (6) CODE (542): CIR - (6) CODE (544): MOY (1040),2 CODE (554): MOY (1040),2 CODE (552): ADD (6),0 CODE (553): ADD (6),2	CODE (560): MOV -u (5),-(6) CODE (540): MOV -u (5),-(6) CODE (570): MOV 04400,2 CODE (570): MOV 04400,2 CODE (670): MOV 04400,2 CODE (670): MOV 1,-(6) CODE (610): MOV 1,-(6) CODE (610): MOV 04400,2 CODE (610): MOV 04400,2 CODE (610): MOV (6),-(6) CODE (610): MOV (6),-(6) CODE (610): MOV (6),-(6) CODE (610): MOV (6),-(6) CODE (620): MOV (6),-(6) CODE (620): MOV (6),-(6) CODE (620): MOV (6),-(6) CODE (620): MOV (6),-(6)	
1324 CYCLF 1324 CYCLF 1324 CYCLF 1325 CYCLF 1325 CYCLF 1325 CYCLF	P LOCATION 45		1329 AST_SWAP_CHAIN(INDSX) := AST_SWAP_CHAIN(ASTTM);	1330 AST_DES_COUNT(ASTE*) := 1:	FIND LOCATION 406 TO 220 1332 LOCATION 406 TO 220 1333 /* DETERRINE TYPE OF ACCESS PERMITTED 1334 IF (AST_TYPE (ASTE#) 6 AST_TYPE_MASK) = AST_TYPE_DIRECTORY:

CODE (042): MOY BO (2), 1
CODE (650): MOY 020-(6)
CODE (650): CMP 020-(6)
CODE (650): CMP 020-(6)
CODE (660): CMP 020-(6)
CODE (651): BEQ 2
CODE (672): CMP 07)
CODE (672): CMP (6)--14(5)
1704

1704

1704

1704

1704

1704

1704

1707

CODE (70): MOY (6)--14(5)
CODE (70): MOY (12400-2
CODE (710): MOY 12400-2
CODE (710): CMP 02)-(6)
CODE (710): CMP (6)-(6)
CODE (710): CMP (6)-(6)
CODE (710): MOY 02)-(6)
CODE (710): MOY 02)-(14(5)
1772

1335 THEN: HODE: - 0: /* DIRECTORY ACCESSES HUST BE INTERPRETIVE */ PIND LOCATION 6:0: 10: 1236 ELSE: IF (ASTER) 6: PS_PROCESS_MASK) = 0:

FIRUP LOCATION 750 TO 12

FIRUP LOCATION 750 TO 12

ELSE: HODE := SDP_WRITE_ACCESS:
PIROP LOCATION 762 TO 6
1340

END:

PIXUP LOCATION 792 TO 66

| 174 CODE(174): MOY 5,-(6) CODE(1700): THE (6),-(6) CODE(1700): MOY 4(5),-(6) CODE(1700): MOY 4(5),-(6) CODE(1700): MOY 4(5),-(6) CODE(1700): MOY 42(5), (6) CODE(1702): MOY 4(5),-(6) CODE(1702): MOY 4(5),-(6) CODE(1702): MOY 4(6),-(6) CODE(1702): MOY 1(6),-(6) CODE(1702): MOY 1(6),-(6) CODE(1704): CLR (6),-(6) | 1044 CODE (1044): MOY #20100,2
CODE (1054): MOY #20100,2
CODE (1054): MOY #16544,2
CODE (1056): MOY #16544,2
CODE (1056): MOY #1654,2
CODE (1056): MOY #165,-(6)
CODE (1076): MOY #165,-(6)
CODE (1104): MOY #165,-(6)
CODE (1114): MOY #165,-(6)
CODE (1114): MOY #165,-(6)
CODE (1114): MOY #165,-(6)
CODE (1114): MOY #165,-(6)
CODE (1116): MOY #165,-(6)
CODE (11172): MOY #165,-2
CODE (1172): MOY #165,-2 /* IF THIS IS THE CURRENT PROCESS LOAD HARDWAPE REGS ALSO IF PS_CURPENT_PROCESS = THE_CURRENT_PROCESS; LSD (ASTER, PS_SDR_ADR + REGR + REGR, HODE); THEM: SOR(P_SEGO) := PS_SDR(REGO); /* LOAD SEGRENT DESCRIPTOR

INLINE (SPLHIGH);

END:

1341

1342 1363 11176 11200

SAR(P_BEGF) := PS_SAR(REG*); FIXOP LOCATION 1070 TO 104 1349 END;

INLINE (SPLLOW);

1350

1347

¥ ₹ 1346

1351 /* INCREMENT DESCRIPTOR COUNT

1352 AST_DES_COUNT(ASTSS) := AST_DES_COUNT(ASTES) + 1; 1353 /* ADJUST USER'S QUOTA

CODE (1200): NOV -4(5),-(6) CODE (1204): ASI. (6) CODE (1212): NOV -4(5),-(6) CODE (1212): ASI. (6) CODE (1212): ASI. (6) CODE (1212): ASI. (6) CODE (1222): NOV 6(5),-2 CODE (1222): NOV 6(5),-2 CODE (1236): NOV 6(6),0 CODE (1236): NOV 6(6),0 CODE (1240): ADD (6),0 CODE (1240): ADD (6),0

00711/0

•/11246

1354 IF (AST_CPL(ASTFB) 5 AIRZD_IOWN_HASK) -= WIPZD_DOWN;

HOY -W(5),-(6)
A21 (6)
A21 (6)
AD (6)*2
BD (6)*3

CODE (1254): A CODE (1264): A CODE (1264): A CODE (1302): A

FIXUP LCCATION 1306 TO 44 GUOTA := PS_FRM_QUOTA - AST_SIZE(ASTER);
1356 END;
1357 RC := OK_FLAG;
FIXUP LOCATION 14 TO 12
50 LINES WERE COMPILED, GEMERATING 758 BYTES OF CODE.
1358 LL

0

CODE (1354): NOV 0-1,4(5) 1362 CODE (1362): JRP 0-10(5)

1959 DATA DISNBIE (REGS):
1360 DECLARE DECLARE (BLOCKS, ASTRS):
1361 4 LIMES WERE COMPILED.
1362 -1.

1363	PROGRAM DISABLE:	<u>•</u>
1364	/* TPANSLATE REGG TO ASTER (AND CHECK POR DESCRIPTOR IN REGISTER)	97 16
		CODE (0): ROV 6,5 CODE (4): ROV 6,5 CODE (10): ROV 7, (5)* CODE (10): ROV 7, (5)* CODE (14): ROV -4 (5)* CODE (24): ROV -4 (5)* CODE (24): ROV -4 (5)* CODE (24): ROV -6 (5)*
1365	BLOCKe : P P2_SAP (SEGP);	CODE (32): NOV 0(2), -10(5)
1366	IP BLOCKS - 03	
		CODE (50): BME 2 CODE (50): BME 2 CODE (51): JMP 0(7) CODE (56): ASR -10 (5)
1367	THEM: INLINE (ASP. BLOCKS); / TATIR BLOCKS TO MIN? -/	162 CODE (62): ASR -10(5)
1366	INLINE (ASP, BLOCKS);	991
1363	IF BLOCKS < FWD_SLOCKS;	CODE (66): NOV -10 (5),-(6) CODE (72): CMP 01740, (6)*
		CODE (76): BGT 2 CODE (100): JAP 0(7), CODE (100): MOY -10(5),-(6 CODE (110): ASL (6) CODE (112): MOY 0400,2 CODE (116): ADD (6)*,2
1370	TREM: ASTER := HBT_ASTF(BLOCKE);	CODE (120): NOV 0 (2),-12(5)
111	700 101101	1132 CODE(126): JHP 0(7) CODE(132): NOW 01,-(6) CODE(142): JHP 93(7) CODE(146): JHC 93(7)
1372	1372 LOCATION 184 TO ASTER :- ASTER HIN TO ASTER HAN:	1166 CODE (150): CAP (6),2(6) CODE (154): BHP 453 (7) CODE (165): NOY (6),-12(5) CODE (165): NOY -12(5),-(6) CODE (172): ASL (6) CODE (174): ASL (6) CODE (174): ASL (6) CODE (200): ADD (6),-2 CODE (200): NOY 0(2),-(6) CODE (200): COP (200): COP (200): NOY 0(2),-(6)

CODE (274): BRQ 2 CODE (274): JRP 0(7) CODE (220): JRP 453 (7) (224 CODE (224): BR - 10	CODE (226): CMP (6)*, (5)* 1 30 1 230	-/130 -/131 CODE (232): MOV -w(5),-(6) CODE (240): CLR - (6) CODE (240): CLR - (6) CODE (240): MOV #20000,2 CODE (242): MOV #20000,2 CODE (245): MOV #20000,2 CODE (250): MOV (6),-2				A S S S S S S S S S S S S S S S S S S S
LOCATION 216 TO 4 LOCATION 160 TO 44. LOCATION 222 TO 2	FIEUP LOCATION 130 TO 76 1374 EMD:	IMLIME(SFLMIGH):	So as (abda) sa os	PS_SAR(REGB) := C: /* IF FOR CHAPENT PROCESS ALSO CLEAR SEGRENTATION PEGISTER	THE PS_CUSPERT_PROCESS = THE_CUBRENT_PROCESS; THENE: IT REGe > CROSS_REGe;	LOCATION 344 TO 14 THEN: BEGG := BEG_CONSTANT; END: /* CHECK FOR CHANGE BIT BEING SET IF (SDR(REGG) 6 SDR_CHANGE_HASE) = SDR_CHANGED;
FIRUP L FIRUP L FIRUP L	1374 FIEUR U	7111	1376	1380	1382	1384 1385 1367

		CODE(410): BIC (6)+,(6) CODE(412): CRP 9100,(6)+ CODE(420): JMP 0(7) CODE(420): JMP 0(7) CODE(420): MOV -12(5)-(6) CODE(430): MOV -12(5)-(6) CODE(430): MOV -12(5)-(6) CODE(430): MOV 64400,2 CODE(442): MOVB0 (6)+,2
FIRUP LOCATION 422 TO 1389	THEM: AST_CHANGE (ASTER) := (AST_CHANGE (ASTER) AST_CHANGED); ON 422 TO 44	0 0 0 0
1390	/* CLEAP SEGNENTATION PRGISTES	0/1470
		CODE (470): MOV -4(5),-(6) CODE (474): ASL (6) CODE (474): ASL (6) CODE (500): MOV -5600,2 CODE (504): MOV (6) *,C
1301	SDP(REG*) := 7;	
	LOCATION 326 TO 219 == 0; *********************************	CODE(520): ASL (6) CODE(520): ASL (6) CODE(522): CLB - (6) CODE(522): CLB - (6) CODE(522): MOV (6) • ,0 CODE(532): ADD (6) • ,2 CODE(532): ADD (6) • ,2 CODE(539): MOV (6) • ,2 IS40 IS40
1394	INLIME (SPLLOW);	1542
1195	/ DECREMENT DESCRIPTOR COUNT	e//542 (00 (542): NOV -12(5),-(6) (00 (545): ASL (6)
		POP SOR
1396	AST_DES_COUNT(ASTES) := AST_DES_COUNT(ASTES) - 1;	10
1397	/* THE FOLLOWING DOES NOT APPLY TO WERED DOWN SEGRENTS	•/1610
1398	IF (AST_CPL(ASTEB) 6 WIRPD_DOWN_RASK) = 0;	1652

1652	CHAIN */1652	1704 Cont 16101 - 404 -12151 - 161	ASL	CODE (616): HOW #11400,2	AON	000	BIC	: CLR	CODE (646): BEQ 2	NON :	CODE (656): ASL (6)	ADD	NOW	CODE (672) : CLR - (6)	JAP	MON	CODE (714): ASL (6)	NON	ACO	CODE (724): NOV 0(2), - (5)	NON	VDD	CODE (740): NOV 0.0(2)		YSE	CODE (750): ROV = 12 (5) = (6)	NO.	ADD	1770	CODE (770): NOV -12(5),-(6)	CODE (174): BOV -12(5)	CODE (1004): ADD (6) +, 2	CODE (1006): HOVBO (2), 1	CODE(1014): BIS 020, (5)	CODE (1920): NOV 04400, 2	CODE (1024): HOV (6) *. 2	CODE (1030): HOVBO, 9 (2)	
	IP NO DESCRIPTORS LEPT THEN UNLOCK AND ADT TO SWAP CHAIN	IF (AST_DES_COUNT(ASTR*) = C);																						THERE AND CHAIN (ACTIVE) IN AND CHAIN COALS IN					- CONTENTS CONTENTS	- 21 (2) - 1 (2) - 1 (2) - 1 (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4								
1190 THEN:	•/ 00*1	1101 116																						1.52						1623								

CODE (1034): MOY -12(5), -(6) CODE (1040): MOY 6400, 2 CODE (1044): ADD (6), 2 CODE (1052): MOY 10-(6) CODE (1052): MOY 10-(6) CODE (1052): MOY 10-(6) CODE (1064): MOY 80(2), 3 CODE (1064): MOY 80(2), 3 CODE (1056): MOY 80(3), 4 1076 CODE (1076): JMP 0-6(5) 11076 11076 11034 0 THEOR ECCATION 643 TO 224 TYPE ONOTA . PS_VER_CUOTA . AST_SIZE(ASTS*): ATOMO MENORE TRACES PLANE LOCATION 702 TO 130 1405 FIXUR LOCATION 54 TO 1920 1469 END: .

1406

1411 DATA CAADIN(ASIS#);
1412 DECARDIN(ASIS#);
1413 PROCEDINE ACCEPTS (ADRD, WORD) (INITSFG);
1413 LATES BEST COMPLED.
1413 ANTESFG
1414 LATESFG
1414 LATESFG

| 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106

65

1023 /* THIS ASSUMES ALL STGS ART IN BYTTS - WILL CHANDE LATER

1424 DOCATION 116 TO 2

LSD (ASTER, DIS KSR ADR, SOR WRITE ACCESS);

1422

AST_ADB(ASTF) := BLOCKe;
/* GAIN ACCFSS TO SEGNENT

1423

PROGRAM INITSEG: DECLARS WORD (I);

. . . .

1425 2280_ARBAY(1) := 7; FIXUR LOCATION 132 TO 32

1426 END:

1232 1232 	1264 CODE (282): BLE 2 CODE (283): BLE 3 CODE (264): MAP 463(7) CODE (264): MAP 463(7) CODE (264): MAP 463(7) CODE (264): MAP 463(7) CODE (274): MAP 463(7) CODE (274): MAP 460(0,2 CODE (304): MAP (61.0 CODE (306): MAP (61.0 CODE (306): MAP (61.0 CODE (310): MAP (61.0 CODE (310): MAP (61.0 CODE (310): MAP (61.0	CODE(314): BR -25 136 136 CODE(320): RCW #17, (6) CODE(320): RCW #177, (6) CODE(320): RCW #170, 2 CODE(3132): RCW #1500, 2 CODE(3132): RCW (6) - 0 CODE(314): ADD (6) - 2 CODE(314): ADD (6) - 2 1342		CODE (412): MOV -4(5),-(6)
THEN: THEN: A ST_TYPE (ASTER) & AST_TYPE_MASK) = AST_TYPE_DIRECTORY: A PUT ALL ACL ELEMENTS ON PRET CHAIN	:= 0 TO ACL_TAK:	34 256 TO 36	LOCATION 230 TO 110 MCL CHANY (ACL MAX) := 0; MODATE AST MUDDATE AST	AST_STATUS(ASTRE) := (AST_STANTUS(ASTRE) & AST_STALUS_SCIENCE:
1427	FIXER LOCATION 242 TO		1435 1435 1435	1436

CODE (416): MOV -4(2),-(6)
CODE (426): MOV 64000,2
CODE (430): MOV 90 (2),-2
CODE (430): MOV 90 (2),-2
CODE (440): MOV 94400,2
CODE (446): MOV 6400,2
CODE (446): MOV 6400,2
CODE (450): MOV 6400,2
CODE (450): MOV 6400,2
CODE (450): MOV 640,5
CODE (450): MOV 800,0
CODE (450): MOV 800,0
CODE (450): CODE (450

```
CODE(2): MOV 6,5

CODE(2): MOV 6,5

CODE(10): MOV 7,6)

CODE(10): MOV 7,6)

CODE(10): 38 2

CODE(10): 38 2

CODE(10): WO 7 CONTAINED PROCEDURE)

CODE(10): MOV CONTAINED PROCEDURE)

CODE(10): MOV MOV 2

CODE(10): MOV MOV 2

CODE(10): MOV 610-2

CODE(10): MOV 610-2-2

CODE(10): MOV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1102

CODE (102): MOV -12(5),-(6)

CODE (103): ASL (6)

CODE (110): NOV 01040C,2

CODE (110): NOV 01040C,2

CODE (110): NOV 0104(6),-(6)

CODE (110): NOV -14(5),-(6)

CODE (110): NOV -14(5),-(6)

CODE (110): NOV 010400,2

CODE (110): NOV 010400,2

CODE (110): NOV 010400,2

CODE (110): NOV 010400,2

CODE (110): NOV 012,-(6)

CODE (110): NOV 012,-(6)

CODE (110): NOV 013,-(6)

CODE (110): NOV 013,-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CODE (56): MOV -10(5),-(6)

CODE (62): CMP #1740, (6)*

CODE (6): BEQ 2.

CODE (70): JMP 0(7)

CODE (74): CLR -(5)

1102: 1102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      +/1/+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NO PRET ELOCKS - LCCS AT SWAP CHARM FOR STRETHING TO SWAPDUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BIDCK: := ("HI_CHAIN(") & MET_CHAIN_MASK);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MPKT := AST_SAAP_CHAIN(I);
                                                                         WORD (BLOCKS, I, NEXT):
                                                                                                                                                      A- LOOK FOR A FREE BLOCK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IF PLOCKS . FND_FLOCKS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             THEN: I to ";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CYCLE
    PROGRAM SEAPING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16.57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 5 5 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             : :
                                                                                                                                                      1442
```

FIXUP LOCATION 150 TO U EXIT WHEN AST_SWAP_CHAIN(NEXT) = 0; 14450 T := NEXT; FIXUP LOCATION 160 TO 10

CODE (162): NOV -14(5),-12(5)

CODE (172): MOV -14 (5), - (6)
CODE (176): ASL (6)
CODE (170): MOV 07400, 2
CODE (120): MOV 072, -10 (5)
124
CODE (126): MOV 072, -10 (5)
CODE (126): MOV (5), -(6)
CODE (126): MOV (5), -(6)
CODE (125): CODE (126): CODE (126): CODE (126): MOV -14 (5), -(6)
CODE (126): MOV 5, 6
124 CODE (244); CLR - (6)
CODE (246); ASL (6)
CODE (246); ASL (6)
CODE (247); ASL (6)
CODE (247); AND WAPD, 2
CODE (247); AND (6), 2
CODE (274); AND (6), 2
CODE (374); AND (7), 2
CODE (37 CODE (170): BR */1244 IF (AST_STATUS(ASTRO) & AST_STATUS_MASK) = AST_UNINITIALIZED; ON IN SECREBY IS UNIVITIALIZED DO NOT PERFORM DISK I/O "BT_CHAIN (C) := MRT_CHAIN (BLOCKS); SPHOVE PLOCK TROW PREF CHAIN SBT_FLAGS (BLOCK®) := ALLOCATED; FLOCK := AST_ADR (NEXT); 1453 SHAPOHT (NEXT); FIXUP LOCATION 72 TO 150 1454 FND; END: 1001 1459 1452 1456

CODE (426): JNP 0 (7)
CODE (433): NOV (5), -(6)
CODE (434): NOV (5), -(6)
CODE (443): CLR -(6)
CODE (444): ALL (6)
CODE (444): ALL (6)
CODE (445): NOV 90(2), -(6)
CODE (445): NOV 90(2), -(6)
CODE (445): NOV 90(2), -(6)
CODE (447): NOV 90(2), -(6)
CODE (447): NOV 90(2), -(6)
CODE (478): NOV 90(2), -(6)
CODE (478): NOV 90(2), -(6)
CODE (478): NOV 90(2), -(6)
CODE (578): NOV 90(2), -(6)
CODE (5 CODE (420): NOV 5,6 CODE (422): CLR (6)+ CODE (424): NOV (6)+,5 1426 •// 432 9551/-1432 DISKID(AST_DISK(ASTS*), BLOCK*, AST_STZ*(ASTZ*), DISK_READ); STAFT DISK I /) AND WAIT POP COMPLETTION THE ASTE(BLOCKE) := (ASTTE | ALLOCATED); 1460 FIXER LOCATION 370 90 90 1461 FLSE: BLOCKE); PUT STGRENT ON SUAP CHAIN AST_AFR (ASTTO) := BLOCKO; FIXUP LCCATION 430 TO 124 UPDATE 1ST 1462 1467 1468 1466 1463

CODE (642): MOV -4 (5).- (6) CODE (642): ASL (6) CODE (644): CLB - (6) CODE (645): MOV 010400.2 CODE (656): MOV 0103,- (6) CODE (656): MOV 0103,- (6) CODE (651): MOV 0103,- (6) CODE (702): MOV (6)...0 CODE (703): MOV (6)...0 CODE (703): MOV -4(5).- (6) CODE (704): MOV -4(5).- (6) CODE (704): MOV -4(5).- (6) CODE (704): MOV -4(5).- (6) CODE (712): MOV -4(5).- (6) CODE (712): MOV -4(5).- (6) CODE (712): MOV -4(5).- (6) CODE (713): MOV -4(5).- (6) CODE (714): MOV (6)...0 CODE (716): MOV (6)...0

SST_SWAP_CHAIN (ASTER) := AST_SWAP_CHAIN ("):

1470

AST SEAP CHAIN(O) := ASTIN:

1471

AST_UNLOCK(ASTT#) := (AST_UNLOCK(ASTE#) | AST_UNLOCK_FLNG); 1272

NC TRROTS MERE DETECTED.

CODE (72): MOW -12(5),-(6)
CODE (76): ASL (6)
CODE (100): MOW #10400,2
CODE (100): MOW #10400,2
CODE (100): MOW (10,-14(5),-(6)
CODE (114): MOW -14(5),-(6)
CODE (126): CRP -4(5),-(6)
CODE (126): JMP 0(7)
CODE (125): JMP 0(7) CODE (136): ROV -14 (5),-12 (5) CODE (64): CLR - (6) CODE (66): NOW (6)+,-12(5) CODE (144): 88 -26 WENT := AST_SWAP_CHAIN(INDEX); PROGRAM SWAPOUT: DECLARE WORD (RLOCKS, INDEX, NEXT): A REMOVE PROM SUAP CHAIN PERUP LOCATION 130 TO 4 1485 EXIT BHEN NEXT = ASTE0; BLOCKO := AST_ADR (ASTEO) : AST_ADR (ASTPO) := 0; FIEUP LOCATION 134 TO 10 IMDEK := 0; CYCLE 11.76 . . 1483 1479 1482 148. 1487

CODE (146): MOV -12(5),-(6)
CODE (153; ASL (6)
CODE (160): ASL (6)
CODE (160): ASL (6)
CODE (160): MOV -4(5),-(6)
CODE (160): MOV (6),-2
CODE (160): MOV (6),-2
CODE (174): MOV #106(0,2
CODE (174): MOV #106(0,2
CODE (200): MOV #106(0,2

CODE (202): ADD (6)*,Z CODE (204): NOY 0,0(2) 1210 CODE (210): NOY -4(5),-(6) CODE (214): ASL (6) CODE (214): CLR -(6) CODE (224): NOY (6)*,Q CODE (224): NOY (6)*,Q	CODE (24): MOY 0.0(4) CODE (24): MOY -4 (5), -(6) CODE (24): MOY -4 (5), -(6) CODE (24): MOY -4 (5), -(6) CODE (25): MOY 600, -(6) CODE (25): MOY 600, -(6) CODE (26): MOY 835, -(6) CODE (26): MOY 835, -(6) CODE (270): MOY 8400, -(6)	CODE (300): NOVBO.0(2)	1346 CODE (314): NOV -4 (5), - (6) CODE (314): NOV -4 (6), - (6) CODE (314): COM (6), - (6) CODE (314): DEC (6), - (6) CODE (314): DEC (6), - (6) CODE (314): NOV -4 (5), - (6) CODE (315): NOV -4 (5), - (6) CODE (315): NOV -4 (5), - (6) CODE (315): NOV -4 (5), - (6) CODE (317): NOV -4 (6), - (6) CODE (318): NOV -4 (6), - (6) COD	CODE (442) : NOV -4 (5),- (6)
AST_SWAP_CHAIM(IMDEM) := AST_SWAP_CHAIM(ASTED);	AST_SUBP_CHAIN(A'TEO) :* 0;	AST_UNLOCK(ASTES) := (AST_UNLOCK(ASTES) & AST_LOCK_HASK);	\$.	/* DO BOOKKEEPENG AND WAIT FOR I/O TO COMPLETE
į	•	. 0681		•

CODE (45.2): NOT 0 0000,2 CODE (46.0): NOT 0.00,2 CODE (46.0): NOT 0.1, (6) CODE (46.6): NOT 0.1, (6) CODE (47.2): C.M (6), (6) CODE (47.2): R.M (6), (6) CODE (47.2): ROY 0.0, (6), (6) CODE (50.4): NOY 0.0, (6), (6) CODE (50.4): NOY 5, -(6) CODE (50.4): NOY 5, -(6) CODE (50.4): NOY 5, -(6) CODE (50.4): NOY 5, -(6) CODE (50.4): NOY 2, -(6)	1542	CODE(542): CLR - (6) -, -12(5)	033	CODE (550): MOV -12 (5),-(6) CODE (556): NOV 0000,2 CODE (554): NOV 0000,2 CODE (554): NOV 012)-(6) CODE (570): MOV 013)-(6) CODE (570): MOV 013)-(6) CODE (570): CODE (60): CODE (61): COD	1616 CODE (646): MOV -12(5),-(6) CODE (622): MSL (6) CODE (630): MOV (610,2 CODE (630): MOV (610,2 CODE (631): MOV (610,2 CODE (631): COM (6),-(6) CODE (631): COM (6),-(6) CODE (640): COM (60,-(6) CODE (640): MOV (60,-(6)	1652 CODE(652): BR -42		CODE (654); MOV -10 (5),-(6) CODE (660); ASL (6) CODE (665); MOV -12 (5),-(6) CODE (666); ASL (6)
AST_CHANGE(ASTER) := AST_CHANGE(ASTER) & AST_UNCHANGED_NASH;	P(DICK_SAFF); LOCATION 344 TO 174 EMD;	PRET AUTORY ALLOCATED TO SEGRENT	INDER : U.S.	C FC L.F	LOCATION 610 TO 4	1532 INDEX := (MBT_CHAIM(INDEX) 6 MBT_CHAIM_MASK): FINUP LOCATION 614 TO 36	:	A PLACE BLOCK TO BE PRETU IN THE CHARM
\$	1496 FIXUP LC	1498	1499	0.51	1 9011	1532	1503	150

CODE (6*V): MOV 0000,2
CODE (6*V): ADD (61,2)
CODE (702): MOV 00(2)
CODE (702): MOV 00(2)
CODE (710): ADD (61,0)
CODE (710): ADD (61,0)
CODE (710): ADD (61,0)
CODE (710): MOV 00(2)
CODE (720): MOV 00(2)
1750
CODE (750): AND (61,0)
CODE (750): AND (61,0)
CODE (750): AND (61,0)

RBT_CHAIM (BLOCKS) := MBT_CHAIM (INDEX);

1505

1506 HBT_CHAIN(INDEX) := (BLOCKS | FRF_HEM);
FIXUP LOCATION 14 TO 6

MC EPROSS WERP TERCTFD.

MATERIAL OF CODE.

2

· ·

1504 DATA OUTERP(ASTER) RETURNS (RC); 2 LINES MERE COMPLLED. MC ERPORS MERE CETECIFD.

CODE (3): 2,- (0)
CODE (4): ADD 66,5
CODE (4): ADD 66,5
CODE (1): ADD 66,5
CODE (12): ADD 66,5
CODE (12): ADD 66,5
CODE (12): ADD 66,6
CODE (12): ADD (60,2
CODE (12): ADD (12,0
CODE (12): ADD (12,0 CODE(194): NOV 5,-(6)
CODE(196): NOV (5),-(6)
CODE(150): CLE -(6)
CODE(152): NOV -4(5),-(6) 176 1100 -112 1144 ***** PROCESS BUST HAVE WRITESREAD ACCESS TO SEMAPHORE CHECKING COMPLETE - PERFORM STATE CHANGE IP (AST_WAL(ASTE*) & PS_PROCESS_HASK) = 0; IF SHPP_COUNT(ASTER) = - 128; SPCURITY CHECKS PIRST IMPLEMENTATION CHECKS 1514 THE THE PETER WITH ERR_FLAG: PINDP LOCATION 62 TO 12 1520 THEM: RETURN WITH ERR_FLAG: FIXUP LOCATION 130 TO 12 1522 END: INLINE (SPLHIGH): 1510 PROGRAM OUTERP:

•

1517 1518 1523

: •

CODE(156): NOV -2(4), 2 CODE(166): NOV 5, 6 CODE(170): CLR (6) + CODE(170): CLR (6) +, 5 I 74 CODE(170): NOV (6) +, 5 I 72 CODE(174): NOV 0-1, 4(5) I 202 CODE(202): JRP 0-6(5)

> 1524 P(ASTEB); 1525 RC := OK_PLAG; FIXUP LOCATION 14 TO 2 RC EBRORS WEPS DETECTED.
> DATA OUTERV THE COMPLED, GENERATING 134 PYTES OF CODE.

1527 DATA OUTERWIASTED, SETURNS (BC);
2 LINTS WERE COMPLED.
3C ERRORS WERE DETECTED.
1528 __i_

1132 CDE (100): NOV -4(5), (6) CODE (110): ADD (6)*, 2 CODE (110): ADD (6)*, 2 CODE (120): ROW 10, 6)* CODE (120): CMP 017, (6)* 116.

117.

118.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119.

119. CODE (144): MOV 5,- (6) CODE (146): MOV (5),- (6) CODE (150): CLR - (6) CODE (152): MOV -4 (5),- (6) */1144 176 PROCESS BUST HAVE WRITESREAD ACCESS TO SENAPHORE CHECKING COMPLETE - PERPORM STATE CHANGE PROCESS HUST HAME WRITERPEAU ACCESS T IF (AST_WAL(ASTER) 5 PS_PROCESS_HASK) = 0: IF SMPR_COUNT(ASTER) = 127; IMPLEMENTATION CHECKS 1539 THEN: 1540 THEN: PIEGE LOCATION 130 TO 12 1541 END: 1542 /* CHECKING COMPLETE - P SECURITY CHECKS FIRST 1533 THEN: RETURN WITH ERR_FIAG: 1530 CATION 62 TO 12 THE 2535 FIRD INLINE (SPLHIGH); PROGRAM OUTERV; • 1536 1537 1530

CODE (156): MOV -2(4),2 CODE (165): MOY 5,6 CODE (176): CLR (6), CODE (172): MOY (6),5 174 CODE (172): MOY (6),5 174 CODE (202): MAP 9-6(5)

0

FEGG V(ASTED):
1944 BC := OK_FLAG;
FIXUP LOCATION 14 TO 2
NC ERRORS WERE DEFECTED.
DATA IDSOCV E. E. STECTED.
1545 ____

136

1546 DATA IPCRCV RETURNS (RC):
1547 DECLARE
1548 4 LINES WERE COMPILED.
1549 -1.

CODE (1):

CODE (1):

CODE (2):

CODE (1):

CODE (1): THEN: PI_IPC_QUEUS_HEAD (PS_CURRENT_PROCESS) := IPC_WAIT; /* ANTTHING THESS IF PT_IPC_QUEUF_HEAD(PS_CURRENT_PROCESS) = 0; PT_PLAGS(PS_CURRENT_PROCESS) := BLOCKED; NO SPCUPITY CHECKING V (KERNEL SHPP); FROGRAM IPCRCV; SLEEP; • 1552 1555 9536 1557

CODE (210): MOY (3), - (6) CODE (212): CLB - (6) CODE (220): MOY - 2(8), 2 CODE (224): JSR 7, 8128 (2) CODE (224): JSR 7, 8128 (2) CODE (230): MOY 5, 6 CODE (230): CLB (6) + CODE (230): MOY 6) - 5 L236	-/1236 CODE(236): NOV #20100,2 CODE(236): NOV #(2),-(6) CODE(246): NOV #17640,2 CODE(252): ADD (6)*2 CODE(252): ADD (6)*2 CODE(250): ROY 1,-6(5)	1264 100	CODE (324): NOV 60,0(2) 130 130 130 130 130 CODE (330): NOV -6(5),-(6) CODE (340): NOV 0 14600,2 CODE (346): NOV 0 14600,2 CODE (346): NOV 0 14600,2 CODE (346): NOV 0 14600,2	1352 CODE (1352): ROY -6(5),-(6) CODE (1363): ROY 81. (6) CODE (1364): ROY 815000,2 CODE (1364): ROY 8(1),-(6) CODE (1365): ROY 8(1),-(6) CODE (175): ROY 8(1),2,2 CODE (175): ROY 8(1),2,2 1402	-/1402 CODE (402): MOV -6(5),-(6) CODE (402): MOV -6(5),-(6) CODE (410): MOV 04460,2 CODE (410): MOV 04460,2 CODE (412): MOV 10,-(2) CODE (422): MOV 10,-(6) CODE (422): MOV 10,-(6) CODE (423): MOV 10,-(6) CODE (423): MOV 10,-(6) CODE (424): MOV 10,-(6) CODE (424): MOV 10,-(6)	
FESS PAREMELSHPD; FAMO LOCATION 52 TO 162 FASS PAD:	A BEROVE PIEST MESSAGE PLEMENT	INDEX : PT_IPC_OBBC P_HEAR (PS_CURRENT_PROCESS):	PT_IPC_OUEUF_HEXD(PS_CURPENT_PROCTSS) := IPC_LINK(INDEX): /* TAKT STUPP OUT OF IPC PESSAGE FLEMENT		REC2 := IPC_BARK(INDEX): PUT BACK ON PRES CHAIN AND INCPEMENT QUOTA	IPC_LINK(INDEX) := IPC_LINK(0):
9531 1 40114 1 5551	95.	1821	26. 26.	•	156 5 4 6 5	1567

CODE (486); MOY 6140U, 2 CODE (458); MOY (61,0) CODE (458); MOY 61,0,2 CODE (462); MOY 621,0,2 CODE (462); MOY 621,0,2 CODE (472); MOY 621,0,2 CODE (472); MOY 621,0,2 CODE (522); MOY 616,0,2 CODE (532); MOY 7, (6) CODE (532); MOY 17, (6) CODE (519); MOY 17, (6) CODE (519); MOY 16,0,2 CODE (518); MOY (61,0) CODE (528); MOY (61,0)

0

PT_IPC_OUGTA (PS_CURPENT_PROCESS) := PT_IPC_OUGTA (PS_LURRENT_PROCESS) + 1;

IPC_LINK (A) := INDEX;

1569

1571 DATA IPCSEMD(PROCESSO, MESSAGE, COMAIN):
2 LINES MEPE COMPILED.
1572 -1.

2 2

```
1240

CODE (152): NOV -4(5),-(6)

CODE (160): NOV -4(5),-(6)

CODE (160): NOV -4(5),-(6)
   CODE (14): NOV 0.20100,2
CODE (14): NOV 0.(2), -(6)
CODE (14): CMP 01, (6)
CODE (102): BMF 07, 1
CODE (102): MOV -4(5), -(6)
CODE (105): MOV -4(5), -(6)
CODE (106): MOV 0.(2), 1
CODE (124): MOV 0.(2), 1
CODE (124): MOV 01, (6)
CODE (132): MOV 01, (6)
CODE (132): MOV 01, (6)
CODE (142): MOV 01, (6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IP PT_CHR_CAT(PROCESS®) -= (PT_CUR_CAT(PROCESS®) | PS_CUR_CAT);
                                            IF (PT_FLAGS(PROCESSO) 6 PT_FLAGS_MASK) = IMACTIVE;
                                                                                                                                                                                                                                                                                                                  IP PS_COPPUN_PROCESS -= EXEC_PROCESSS;
THEN:
IP PI_CHS_CLASS(PROCESSS) < PS_CUP_CLASS;
PROGRAM IPCSEND;
DECLARE
WORD (INDEX, IMDEX2);
                                                                                                                                                                                                                                                                                              A SPCURITY CHECK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1566 .... RFIURN;
FINDP LOCATION 144 TO 4
1546 END:
                                                                                                                                                                                                                                          1578 THEN:
1578 PETURN:
PLEAT DOCATION S6 TO 4
                                         1576
                                                                                                                                                                                                                                                                                            1581
```

```
CODE (146): NOV (17500,2

CODE (174): NOV (12,1,16)

CODE (174): NOV (12,1,16)

CODE (174): NOV (13,1,17)

CODE (174): NOV (14,1,17)

CODE (175): NOV (14,00,2,17)

CODE (175): NOV (14,00,2,17)

CODE (177): NOV (14,00,2,2,17)

CODE (177): NOV (14,00,2,2,2,2)

CODE (178): NOV (14,00,2,2,2)

CODE (178): NOV (16,0,2,2,2)

CODE (177): NOV (16,0,2,2,2)
```

1588
1586
FIND LOCATION 236 TO 9
1590
FIND LOCATION 104 TO 136
1591
1592
7. IMPLEMENTATION CHECK
1593
1793
1793
1794

FIND LOCATION 279 TO G. FERENT 1596 SND: PLOCATE AN IPC ONBUE PLEMENT 1597 /* ALLOCATE AN IPC ONBUE PLEMENT

1598 INDEX : * IPC_LINK(0) :

1599 IPC_LINK(0) := IPC_LINK(INDEX);

1600 IPC_LINK(INDEX) := 0;

- 1 0.2 - 1 0.2 - 1 0.2 - 1 0.2 - 1 0.2 - 1 0.2 - 1 0.2 - 1 0.5 - 1	1664 1664	CODE (544): ADD (6): 2 CODE (554): MOYBO,0(2) CODE (555): MOY B100,-(6) CODE (555): MOY B100,-(6) CODE (565): MOY B100,-(6) CODE (565): MOY B1046,2 CODE (570): ADD (6): 2 LODE (570): MOY B0,0(2) LODE (570): MOY B10,0(2) LODE (670): MOY B10,0(2) CODE (670): MOY B10,0(2) CODE (612): MOY B10,0(2) CODE (612): CODE (612) CODE (614): MOY B10,0(2) CODE (620): CON B10,0(2)	CODE (630): JRP 0(7) CODE (640): ROY -4(5),-(6) CODE (640): ROY -14(5),-(6) CODE (640): ROY 017640,2 CODE (650): ROY (6)+0
/* FILL IN IPC ELEMENT f IPC_PROCESS*(INDEX) := (PS_CURRENT_PROCESS DOMAIN):	IPC_DATA(INDEX) := MESSAGE; /* IS PROCESS WAITING? IF (PT_IPC_QUEUT_HEAD(PROCESS ***) 6 BYTE_BASK) = IPC_WATT;	THEM: PT_IPC_ONTUE_HEAD(PFOCESS®) := INTEX; PT_FLAGS(PROCESS®) := READY; PLOCATION 524 TO 54 FLOT: PLOT: PLOTE	
1601	1604	1606 1608 1608	

ADD (6) MOV BO . 0 (2)	JMP 0 (7) HOV -4 (5), -(6) HOV -17640, 2 ADD (6), -2 HOV BO(2), 1 HOV 1, -16 (5)	MOV -16(5)-(6) MOV 0144C0,2 ADD (6)-,2 ADD (6)-,1 ADV 1-(6) CLP (6)-(6)+ BEQ 2 AND 0(7) AND 9(7)	MOV -16(5),-(6) MOV 014400,2 ADD (6).,2 MOVBO(2),1 MOV 1,-16(5)
(0.00 (0.54) : 1660 (6.54) :	CODE (664): CODE (664): CODE (670): CODE (674): CODE (674): CODE (674): CODE (702):	1706 CODE (706): CODE (712): CODE (714): CODE (720): CODE (720): CODE (720): CODE (730): CODE (731): CODE (731): CODE (731): CODE (730):	1744 CODE (744): CODE (750): CODE (754): CODE (754):

ELSE: INDEX2 := PT_IPC_QUEUE_HEAD(PROCESSO);

1612

1610 THEN: PT_IPC_QUEUE_HEAD(PROCESS®) := INDEX: PINUP LCCATION 632 TO 30

PIXEP LOCATION 736 TO 4 ... EXIT WHEN IPC_LINK (INDEX2) = 0:

CODE (1314): MOY -4(5), -(6)
CODE (1920): MOY -4(5), -(6)
CODE (1920): MOY -4(5), -(6)
CODE (1930): MOD (6), 2
CODE (1930): MOD (6), 2
CODE (1930): MOY 1, -(6)
CODE (1930): MOY 1, -(6)
CODE (1952): MOY (6), 0
CODE (1952): MOD (6), 2
CODE (1952): MOD (6), 0
CODE (1952): MOD (6), 2
CODE (1950): MOY (6), 0
CODE (1950): MOY (6), 0
CODE (1950): MOY (6), 2
CODE (1950): MOY (6), 2
CODE (1950): MOY (6), 2
CODE (1950): MOY (6), 2 CODE (770): MOY -16 (5), -(6) CODE (770): MOY -14 (5), -(6) CODE (1000): MOY 614400,2 CODE (1000): MOY 61, 0 CODE (1006): ADD (61, 2 CODE (1000): MOYBO,0(2) CODE (766): 88 -31 */101/ 11014 11014 INDEX2 := IPC_LINK (INDEX2); 1616 PIEGP LOCATION 662 TO 130 1617 SND:

ADJUST QUOTA

1618 LOCATION 600 TO 212 1618 END; ADJUST QU

PINUP LOCATION 742 TO 24

1615

PT_IPC_QUOTA(FPACESS®) := PT_IPC_QUOTA(PROCESS®) - 1;

0 0

```
CODE (52): HOV -14 (5), (6)
CODE (63): HOV -17400,2
CODE (64): MOVED (1), 1
CODE (1): MOVED (2), 1
CODE (1): HOV #300,-(6)
CODE (12): HOV #300,-(6)
CODE (10): HOV #300,-(6)
CODE (10): HOV #300,-(6)
CODE (114): HOV #2,4(5)
CODE (114): HOV #-2,4(5)
1126]: JRP #-20(5)
                                                                                                                                                                                                                                                 CODE (0): 2,- (0)
CODE (1): MOV 5, 5
CODE (1): MOV 7, (5)
CODE (12): MOV 7, (5)
CODE (12): MOV 7, (5)
CODE (12): MOV 7, (6)
CODE (12): MOV 7, (6)
CODE (12): MOV 7, (6)
CODE (13): MOV 7, (6)
CODE (14): MOV 7, (6)
CODE (14
                                                                                                                                                                             •/116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -1152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  •/1126
                                                                         WORD (1, PDD_SEGG, PD_SEGG, CD_SEGG, SS_SEGG, KS_ASTEG, PROC_SEGG, DUMNY);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IF (PT_FLAGS(PROCESS®) & PT_FLAGS_MASK) -= INACTIVE;
                                                                                                                                                  /* ONLY EXECUTIVE CAN CALL THIS FUNCTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MAKE "PARTIAL" SHITCH TO USER PROCESS
                                                                                                                                                                                                             IF PS_CURPENT_PROCESS -= EXEC_PROCESSS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1620 THEN: 8FTORN WITH ERR_FLANG: FIUD LOCATION 36 TO 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PROCESS PUST BE FREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1639 THEN: PETURN WITH ERP_FLAG:
PIUD LOCATION 112 TO 12
1636 END:
1637 /* MAKE "PARTIAL" SWITCH
PROGRAM STARTP;
DECLARE
                                                                                                                                        1627
                                                                                                                                                                                                    1628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1633
```

CODE (126): MOV 5,-(6)
CODE (130): MOV (5),-(6)
CODE (130): CLR - (6)
CODE (140): ASL (6)
CODE (140): ASL (6)
CODE (140): ASL (6)
CODE (140): MOV - 14(5),-(6)
CODE (146): MOV 0(2),-(6)
CODE (146): MOV 0(2),-(6)
CODE (160): MOV 06,-(6)
CODE (160): MOV 06,-(6)

CODE(170): JSR /,0134(2) CODE(176): GC 8,6 CODE(176): CLR (6)* CODE(176): CLR (6)* CODE(200): GOV (6)*,5	•/1202	CODE(202): NOW -14(5),-(6) CODE(206): NOW -02100,2 CODE(212): NOW -(6) - 0(2)	1216	•/1216	CODE(216): MOV -14(5),3		1226 CODE (226): MOV 840000,0	1232 CODE (232): HOW 0-40001,1		CODE(246): ROV 0,0 (2) 1.52 CODE(252): ROV 0.20104,2 CODE(255): ROV 0.20104,2	1262	CODE (276): NOV (6) 7,0 (4) 1216 CODE (276): NOV -6 (5), - (6) CODE (276): NOV -20110, 2 CODE (276): NOV -20110, 2	CODE (312): MOY -10(5),-(6) CODE (312): MOY -10(5),-(6) CODE (312): MOY -10(5),-(6) CODE (312): MOY (40,+0(2))	CODE (326) = MOV - 14 (5), - (6) CODE (332) = MOV - 14 (5), - (6) CODE (332) = MOV - 10 (5), - (6) CODE (332) = MOV - 10 (5), - (6) CODE (343) = MOV - (6), - (6) CODE (344) = MOV - (6), - (6)	CODE (352): MOVE - 12 (5) - (6) CODE (352): MOV - 12 (5) - (6) CODE (353): MOV - 12 (5) - (6) CODE (353): MOV (64 - 0.2)	1366 1366	CODE(414); NOV 0,0(2) [414] CODE(414); NOV 044,- (6) CODE(420); NOV 020116,2
LSD(PT_PS_ASTE@(PROCESS®), PS_RSP_ADB, SDR_WRITF_ACCESS);	/* INITIALIZE PS		PS_CORRENT_PROCESS :* PROCESS#;	A MEED BASK + MOTHASK	INLINE (MOV, PROCESS*, 0, 3);	INLINE(DEC, 0, 3);	INLINE(NEG. C. 3);	INLINE(MOV, 2, 7, 0, 0, "4000");	INLINE(ADM. 2, 7, 7, 1, "EFFF"); INLINE(ADMR)3); INLINE(ASMR)9);	INLINE (MOV. O. O. PS_PROCESS_MASK);	INLINE(HOV, O, 1, PS_PROCESS_WOTHASK);	PS_USEP_ID := USER;	PS_PROJECT_ID := PROJECT:	PS_CUR_CLASS := CLASS:	PT_CUB_CLASS(PFOCESS®) := CLASS;	PS_CUR_CAT := CAT;	PT_CUB_CAT(PROCESS®) := CAT:
1636	1639		1640	1641	1642	1643	1644	1645	1646	1640	1650	1651	1652	1653	1654	1655	1656

CODE (65%): MOV 01/,-(6) CODE (65%): MSI (6) CODE (66%): MOY 0-100000,-(6) CODE (67%): MOY 050200,2 CODE (67%): MOY (6)+,0 CODE (67%): MDY (6)+,2

1666	PS_SEG(SEGB_RAR) := SEG_PLAG;	1704
1991	/* pdf 8007 1810 *8*	•/1704
		CLR
		CODE (710): NOV 01,- (6)
		404
		NON
		NON
		CODE (736): ADD (6) • .0
****		NOW
1 000	PS_SEG(0) := PS_SEG(1);	CODE (744) - 40% 61 - 161
		ASL
		0
		ADD
1659	PS_SEG(1) := 9001_ASTE0;	(772
		72):
		CODE (776): ASL (6)
		ASL
		NOW
		CODE (1012) : ADD (6) +, 2
		BIS
		AOL
		ADD
1670	AST_CPL(ROOT_ASTED) := (AST_CPL(ROOT_ASTED) PS_PROCESS_MASK);	11044 11044
1671	/ GAIN ACCESS TO STACKS	*/11044
1672	od tiest	-/11044
		-
		CLR
		CODE (1050): ROV (5)(6)
		CLR
		CODE (1054): NOV 61,- (6)
		HOM
		CODE (1070): JSR 7,850(2)
		17
		CODE (1102): HOV (6) -,-24 (
16/3	PDD_SEGS := GETR (ROOT_ASTFS, PDD_OFFSET);	11106
1674	GG V-JARA +RAM O/	

CODE (1164): CLR - (6)
CODE (1166): MOY 5,- (6)
CODE (1172): CLR - (6)
CODE (1172): MOY - 2(5),- (6)
CODE (120): MOY 0(2),- (6)
CODE (120): MOY 0(2),- (6)
CODE (1210): MOY 0(2),- (6)
CODE (1224): JSR 7,444(2)
CODE (1224): JSR 7,444(2)
CODE (1224): JSR 7,444(2)
CODE (1224): MOY 0(3),- (6)
CODE (1224): MOY 0(4),- (6)
CODE (1224): MOY 0(6),- (6)
CODE (1225): MOY 0(6),- (6)
CODE (1225): MOY 0(6),- (6)
CODE (1225): CLR - (6)
CODE (1225): MOY 0(2),- (6)
CODE (1272): MOY 0(3),- (6)
CODE (1272): MOY 0(3),- (6)
CODE (1272): MOY 0(3),- (6)
CODE (1272): MOY 0(4),- (6)
CODE (1272): MOY 0(6),- (6)
CODE MOV 5,-(6) MOV (5),-(6) CLR -(6) MOV -26(5),-(6) ASL (6) MOV 020200,2 -24 (5) ,- (6) CODE (1320): CODE (1321): CODE (1322): CODE (1324): RCODE (1332): RCODE (13322): RCODE (13322): RCODE (13322): RCODE (13322): RC CODE (110): 3 CODE (110): 3 CODE (1110): 3 CODE (11 HOMEVER EXEC HAS DONE THE GFTH AND AN ENABLE PD_SFG0 := GETR (PS_SEG(PDD_SFG0), EXEC_PROCESS0); R STACK IS AMKHARD BECAUSE GPTW MUST FAIL SS_STUB := GETW (PS_SEG(PD_SPG#), PROCESS#); DURNY := ENABLE (PS_SPG(SS_SPG+), 0); NOW STACKS - PIRST S STACK

1677

::

1690

1678

•

ADD ADD ADD ADD ADD ADD ADD ADD ADD ADD	CODE (1440): GAN (6) - CODE (1440): CLR (6) - CODE (1444): MOV (6)34(5) 1450 CODE (1450): MOV (6)34(5) CODE (1450): MOV (6)34(5) CODE (1450): MOV (6)6) CODE (1450): MOV (6) - (6) CODE (1460): MED (7) CODE (1460): MED (7)	CODE (1470) CODE (1472): MOV 5,- (6) CODE (1473): MOV 6,- (6) CODE (1474): CLR - (6) CODE (1474): CLR - (6) CODE (1506): MOV - 3,6 (5),- (6) CODE (1512): MOV - 4,6 (5),- (6) CODE (1512): MOV - 2,6 (6) CODE (1513): MOV - 3,6 (6) CODE (1513): MOV	400 A A A A A A A A A A A A A A A A A A
LSD(PS_SEG(PD_SEG#), DIP_KSP_ADF, SDR_REAL_ACCESS);	RS_ASTER := HASH(DIR_DISK(PPOCESSE_AAX * PROCFSSE)); IF KS_ASTER = 0; THEN: INLINE(0); LOCATION 1464 TO 2	LSD(KS_ASTED, PT_KSDP2_ADR + PPOCESSO + PPOCESSO, SDR_WPITE_ACCESS);	AST_DES_COUNT(KS_ASTES) := AST_DES_COUNT(KS_ASTES) . 1;
# #	1683 1683 1783 1783 1765	89	1687

(6) -34(5),-(6) 11750,2 (6) *,0 (6) *,2 0,0(2)	5, - (6) - (6) - (6) - 26 (5), - (6) - 26 (5), - (6) (6) - 20 200, 2 (7) - (8) - 2 (4), 2 - 2 (4), 2 - 2 (4), 2 - 3 (4), 2 - 3 (4), 2 - 3 (4), 3 - 3 (4),			
1000	100 100 100 100 100 100 100 100 100 100		100 100 100 100 100 100 100 100 100 100	
CODE (1629): CODE	CODE (16.34); CO	CODE (1704) CODE (1704) CODE (1710) CODE (1711) CODE (1712) CODE (1712) CODE (1712) CODE (1713) CODE (1734) CODE (1734) CODE (1734) CODE (1734) CODE (1734)	CODE (1754): CODE (1754): CODE (1754): CODE (1762): CODE (1770): CODE (1770): CODE (2000): CODE (2000): CODE (2000):	CODE (2012): 12016 12016 12016 12017 12016 12017
PT_KS_ASTE@(PROCESS®) := KS_ASTE@;		DCOMMECT (PE_SEGO, PS_SEG(PE_SEGO)):	A NOW FOR INITIAL PROC	CD_SEG* : GFT#(800T_ASTS*, CL_OFFSFT);
11		0	1693	1693

ADD CLR ADD ADD ADD ADD ADD ADD ADD ADD ADD AD		CODE(2172): MOV 600.00.2 CODE(2175): MOV 600.00.2 CODE(2176): ADD (619.2 CODE(2209): MOV 0.12(6) CODE(2209): MOV -2.(4).2 CODE(2214): MOV -2.(4).2 CODE(2214): GOV (6).5 12222 -/12222	
PROC_SEG. := GPTF(PS_SEG(CD_SEG*), PROC_OFFST);	DUMAN: * ENABLE(PS_SEG (PSOC_SEG®), 2);	DCONSECT (CD_SEGB, PS_SPG (CD_SEGB));	LSD(PT_PS_ASTE#(EXEC_PROCESS*), PS_KSR_ADP, SDR_#RITE_ACCTSS);

CODE (2124): MOV 01/0U0, -(b)
CODE (2334): ADD -14 (5), (6)
CODE (2334): ADD -14 (5), (6)
CODE (2350): ADD -14 (5), (6)
CODE (2350): ADD -14 (5), (6)
CODE (2350): ADD -14 (5), (6)
CODE (2356): CRE (6)
CODE (2356): CRE (6)
CODE (2356): ADD (6), -(6)
CODE (2356): MOV -14 (5), -(6)
CODE (2350): ADD (6), -(6)
CODE (2370): CRE -(6)
CODE (2370): CRE -(6)
CODE (2370): CRE -(6)
CODE (2370): ADD (6), -(6)
CODE (2320): ADD (6), -(6) LSD (PT_PS_ASTER (PROCESS 4), PT_KSDR1_ADR + PROCESS + PROCESS 4, SDR_WRITE_ACCESS); 10 =: 10SSEDCERD 54 Td

1790

12432 CODE (2432: ROY -14(5),-(6) CODE (2440): CLR -(6) CODE (2440): ROY 017640,2 CODE (2440): ROY 0196,0 CODE (2460): ROY 0.0(2) 12454 CODE (2454): ROY 0-1,4(5) 12462 CODE (2462): JRF 0-20(5) 01 PIXUP LOCATION 14 TO 20
A1 LINES WERE COMPLEE, GENERALING 1334 STIES OF CODE.
DATA STOPP
1704 _1. PT_IPC_QUEUT_HEED (PROCESS®) := 0; PT_PLAGS(PROCESSS) := REALY; BC := OK_FLAG:

1702 1703

1705 EATA STOPP.
2 LIMES WERF COMPILED.
1706 ...

| 122 | CODE (14) | MOV - 10 (5), - (6) | CODE (100) | MOV - 10 (5), - (6) | CODE (174) | COM (6) | CODE (174) | COM (6) | CODE (174) | CLR - (6) - (6) | CODE (174) | CLR - (6) - (6) | CODE (174) | BD 2 2 | CODE (174) | BD 2 2 | CODE (174) | MOV (7) - (6) | CODE (174) | MOV - (6) - (6) | CODE (174) | MOV - (6) - (6) | CODE (174) | MOV - (6) - (6) | CODE (174) | MOV - (7) - (6) | CODE (174) | MOV - (7) - (6) | CODE (174) | MOV - (7) - (6) | CODE (174) | MOV - (7) - (6) | CODE (175) | CLR - (6) - (6) | CODE (175) | MOV - (6) - (6) | CODE (175) | MOV - (6) - (6 CODE (49): CRP (6),2(6) CODE (40): BLE 2 CODE (42): JNP 495(7) CODE (52): NOV (6),-(6) CODE (52): NOV -6(5),-(6) CODE (60): NOV -6(5),-(6) CODE (60): NOV -6(5),-(6) CODE (60): NOV -6(5),-(6) CODE (60): NOV -6(5),-(6) (74) CODE (156): BR -53 CODE (160): CMP (6)+, (6)+ CODE (0): 2,- (0)
CODE (1): MOY 7, (5):
CODE (10): MOY 7, (5):
CODE (10): MOY 7, (5):
CODE (10): MOY 7, (6):
CODE (12): MOY 41,- (6):
CODE (23): MOY 41,- (6): -/162 1116 THEN DCATION 120 TO 34 FIRST (I, ASTES); FIRST LOCATION 120 TO 34 END; IF (ASTE & SEG_PLAG) = "; FIXUR LOCATION 30 TO 2 1711 DO I := SEGRMIN TO SEGR_SAN; PROCRAM STOPP; DECLARE MORD (I, ASTER, DUMNY); CLEAR OUT IPC QUEUE ASTE: : = PS_SFG(I); " CLEAP OUT "B" FIRST LOCATION 44 TO 112 END: . 1704

1712

1710

1111

CODE (164): MOY # 20100,4 CODE (172): MOY # 17640,2 CODE (176): ADD (6)*,2 CODE (176): ADD (6)*,2 CODE (176): HOY BO (2),1 CODE (204): HOY 1,-6(5) 1210	226 CODE (210) : MOY -6(5),-(6) CODE (214) : CIR (6) - CODE (220) : MR 2 CODE (220) : MR 2 CODE (220) : MOY 0(7) CODE (220) : MOY -6(5),-(6) CODE (240) : MOY 1-(6) CODE (240) : MOY 1-(6) CODE (240) : GRP (6) - CODE (250) : CRP (6) - CODE (250) : MR 9(7) CODE (250) : MR 9(7)	1264 CODE (254): MOV -6(5),-(6) CODE (270): MOV 014400,2 CODE (274): MOD (6)+,2 CODE (276): MOV 01,-6(5) 1306	CODE (106): BR -31 1310 CODE (1310): MOY -6(5),-(6) CODE (1310): MOY -6(5),-(6) CODE (1312): MOY 014400,2 CODE (1312): MOY 014400,2 CODE (1312): MOY 114400,2 CODE (1312): MOY 014400,2 CODE (1312): MOY 014400,2 CODE (1312): MOY 014400,2 CODE (1312): MOY 014400,2 CODE (1312): MOY 014400,2	1346 CODE (1346): CLR - (6) CODE (1350): MOY 021700,2 CODE (1360): MOY 0212,- (6) CODE (1360): MOY 017640,2 CODE (1360): MOY 017640,2 CODE (136): MOY 1,- (6) CODE (1372): MOY 1,- (6) CODE (1372): MOY 1,- (6) CODE (1372): MOY (6)- 2 CODE (1373): MOY (6)- 2 CODE (1374): MOY 10,- (6)- 2 CODE (1374): MOY 10,- (6)- 2 CODE (1404): MOY 10,- (6)- 2	CODE (410): NOW \$20100, 2 CODE (410): NOW 0.2) (6)
I := PT_IPC_QUEUE_HEAD(PS_CUPREWT_PROCESS): IF I -= 0: TREW:	CRCLE	PROPE LOCATION 256 TO 4. 1722 EXIT WHEN IPC_LIMK[I] = 0:	1724 TWD:	IPC_LINK(I) := IPC_LINK(O):	IPC_LINK(0) :* PT_IPC_QUENE_HEAD(PS_CURRENT_PROCESS);
8171 9171	1721	1722	PIXE PARTY	17.25	1726

CODE (426): MOV (6) ., 0 CODE (430): ADD (6) ., 2 CODE (432): MOVEG.0 (2)	1436	CODE (436): MOV 020100,2 CODE (442): MOV 0(2),-(6) CODE (446): MOV 0(2),-(6) CODE (456): MOV 0(2),-10 (5) CODE (456): MOV 0(2),-10 (5) CODE (456): MOV -10 (5),-(6) CODE (456): MOV -10 (5),-(6) CODE (456): MOV -10 (5),-(6) CODE (472): CLR -(6)	A SE A DD A DD A DD A DD A DD A DD A DD A D	400 A00 A00 A00 A00 A00 A00 A00 A00 A00	986973669	CODE (614): MOV 5,-(6) CODE (614): MOV (5),-(6) CODE (620): CLR - (6) CODE (620): CLR - (6) CODE (620): MOV 4200,-(6) CODE (640): MOV 2,0,2 CODE (640): MOV 2,0,2 CODE (640): CLR (6),- CODE (645): CLR (645): CLR (6),- CODE (645): CLR (6),- COD
LOCATI	AND: /* GET 81D OF K STACK	ASTEC := PT_KS_ASTTC(PS_CURRENT_PROCESS);	AST_SWAP_CHAIN(ASTEB) := AST_SWAP_CHAIN(0);	AST_SWAP_CHAIN(C) := ASTEO;	AST_UMLOCK (ASTER) := (AST_UMLOCK (ASTER) AST_UMLOCK_PLAG);	IPCSEND (EXPC_PROCESS .), KERNEL_DOMAIN);
1727 FIXUP	1729	1730		732	133	35

CODE (6-65): MOY 61,-00
CODE (674): MDY (6),-00
CODE (674): MDY (6),-00
CODE (702): MOY 5,-(6)
CODE (702): MOY 5,-(6)
CODE (702): MOY 5,-(6)
CODE (704): MOY 15,-(6)
CODE (710): MOY 15,-(6)
CODE (710): MOY 15,-(6)
CODE (710): MOY 16,-(6)
CODE (720): MOY 16,-(6)
CODE (720): MOY 16,-(6)
CODE (720): MOY 16,-(6)
CODE (730): MOY 16,-(6)

PT_FLAGS (PS_CURPENT_PROCESS) := INACTIVE;

1736

V (KERNEL SHES) ;

1737

0

1738 SEEEP; TIUP LOCATION 14 TO 6 NO ERFORS WERE DETECTED. 10 ERFORS WERE DETECTED. 1739 ...

1740 DATA CHANGEO(ASTER, OPESET, CLASS, CAT) RETURNS (RC): VC EPRORS MERE DETECTED.

•

.

el

FINA PRINTING SET OF 12 PER FLAT:
FROM SET OF 12 PER FLAT:
FROM SET OF 12 PER FROM SET E CHECK
FROM SET OF SET OF

ONLY TRUSTED SUBJECTS CAN USE THIS FUNCTION

SECURITY CHECKS

PROGRAM CHANGEO: DECLAPE MORD (OASTE®);

1742

1746

IF PS_CURRENT_PROCESS -= EXEC_PROCESSO;

1753 RETURN WITH ERP_FLAG: 1754 SETTURN WITH ERP_FLAG: 1755 IF DIR_SIZE(OFFSET) = 0;

```
CODE (246): ROV -16(5), -(6)
CODE (254): CLR (6), (6)
CODE (254): CLR (6), (6)
CODE (256): BR 2
CODE (256): BR 2
CODE (270): ROY -16(5)
CODE (270): ROY -16(5), -(6)
CODE (270): ROY -16(5), -(6)
CODE (270): ROY -16(5), -(6)
CODE (370): ROY -16(5), -(6)
CODE (370): ROY -16(5), -(6)
CODE (310): ROY -16(6), -(6)
CODE (310): ROY -16(6), -(6)
CODE (310): CLR (6), -(6)
CODE (310): CLR (6), -(6)
CODE (310): CLR (6), -(6)
CODE (310): ROY -14(6)
L360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1422
CODE (360): NOV - £(5), - (6)
CODE (340): NOV • 60000,2
CODE (370): NOV 661•,2
CODE (372): NOV 80(2),1
                                                                                                                                                                                                                                                                                        (6) 9, -16 (5)
                                                                                                                         CLR - (6)

MOY (5) - (6)

CLR - (6)

CLR - (6)

ASI (6)

ASI (6)

AND (6) - (2)

MOY - (4), 2

AND (6) - (6)

CLR (6)

MOY (6) - (6)

MOY (6) - (6)

MOY (6) - (6)
                                                                                                                                                                        -6(5),-(6)
CODE(156): JRP 0(7)
CODE(162): ROY 0-2,4(5)
CODE(170): JRP 0-14(5)
||174
                                                                                                                         1360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0911/-
                                                                                              */117*
                                                                         1174
                                                                                                    IF OBJECT IS INACTIVE THEN NO WEED TO DO SECURITY 6 . - PROPERTY CHECK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPATABILITY CHECK SIMPLIFIED IF OBJECT IS NOT A DIRECTORY
                                                                                                                                                                                                                                                                                                                                           IT (DASTER -= 0) & ((AST_CPL(DASTER) & WIFTD_DOWN_NOTHARM) == 0);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IP (DIR_ITER (OPFSET) & DIR_ITER_MASK) = DIR_ITER_DIRECTORY;
                                                                                                                                                                                                                                                                                                                        OASTER := HASH(DIR_DISK(OFFSET));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1763 THYN: PETURN WITH ERP_FLAG: PING: PETURN 344 TO 12 1765
                                             1766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1767
                                                                                                                                                                                                                                                                                                                           1761
                                                                                                      1760
```

1, -(0) 1200, -(6) (6) - (6) 1200, (6) - 200, (6)	-4(5),-(6) (6),2 (6),2 (6),2 (1),1 (1),1 (6),1 (6),6 (6),6 (6),3 (6),3 (7),6 (6),3 (6),3 (7),6 (6),3 (7),6 (8),2 (9),3 (9),3 (9),3 (9),4 (9),6 (-4(5),-(6) (6),-2 (13,00,2 (15),-2 (12),-(6) -12(5),-(6) -12(5),-3 (6),-3 (6),-3 (7),-2 (7),-2 (7),-2 (7),-2 (8),-3 (9),-	-6(5) - (6) -6(5) - (6) -6(5) - (6) -6(5) - (6) -6(5) - (6) -10(5) - (6) -10(5) - (6) -10(5) - (6)
CHOCA CAR		A SE	ADD ADD ADD ADD ADD BO COO BO BO COO ADD
CODE (476): CODE (400): CODE (400): CODE (410):	14 34 10 000 E (4 34); 000 E (4 44); 000 E (4 72); 000 E (4 72	512 52 52 52 52 52 52 52 5	1564 1764

IP CAT -= (AST_CAT(ASTER) | CAT); 1772 THEM: STUDY WITH FAR FLAG: STUDY WITH FAR FLAG: PLAG: P

IF CLASS < (AST_CLASS(ASTE#) 6 AST_CLASS_MASK);

1769 ... RETURN WITH ERR_FLAG: 1769 ... RETURN WITH ERR_FLAG: 1770 ERRD: 1771 IF CLASS < (AST_CLASS(ASTER

/* CHECKING COMPLETS - PERPORM STATE CHANGE 1776 THEN: RETURN WITH FRE-FLAJ: PIMP LOCATION 549 TO 12 1778 1778 // CHECKING COMPLETE - P

CODE (632): ADD (61.,2 16.00 10.00 CODE (640): NOW -6(5), -(6) CODE (640): ASL (6), -(6) CODE (640): ASL (6), -(6) CODE (652): NOW -66220, 2 CODE (655): NOW -66220, 2 CODE (662): NOW -661., 0 16.66

DIS_CLASS(OPFSPT) := ((DIS_CLASS(OPFSST) & DIR_CLASS_NOTEASF) | CLASS);

1780

1781 DIR_CAT(OFFSET) := CAT;

CODE (654): GNT -16(5),-(6)
CODE (674): CLR (6),-(6)
CODE (676): BNE 2
CODE (704): SNE 2
CODE (704): SNE 2
CODE (704): SNE -16(5),-(6)
CODE (704): SNE -16(5),-(6)
CODE (714): SNE -16(5),-(6)
CODE (715): SNE -11400,2
CODE (715): THEN: AST_CLASS(DASTER) := DIR_CLASS(OFFSET);

/ IF WIRED DOWN CHANGE ASTE CLASS AND CAT ALSO

IF OASTES -= 9:

1782

-

1785 PINUP LOCATION 702 20 66 PAGE BND; BC := OK_FLAG: 1767

CODE (772): NOV 0-1,4 (5) 11000 CODE (1000): JRP 0-14(5)

0

· ·

1789 DATA INITH(DASTES, OFFSET, ASTES) RETURNS (BC); VC ERPORS WERE DETECTED, WERE COMPILED. | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116

ONLY TRUSTED SUBJECTS CAN USE THIS PUNCTION

A. SECHETTY CHECKS

PROGRAM INITH;

IP PS_CUSHINI_PPOCESS -= EXEC_PROCESS#;

CODE (174): MOY -6(5), -(6)
CODE (274): MOY 04400, 2
CODE (274): MOY 04400, 2
CODE (274): MOY 04400, 2
CODE (275): MOY 0600, 2 CODE (156): JRP 0 (7) CODE (162): BOV 0-2,4 (5) CODE (170): JRP 0-12 (5) 1774 ./1174 1174 PERFORM STATE CHANGE - COPY ASTE ATTRIBUTES INTO DIRECTORY ENTRY DIF CLASS (OFFST) := AST CLASS (ASTE); FIRE PISK (OFFSPT) := ACT_DISK (ACTTO); DIP_SIZT(OFFSET) := AST_SIZE(ASTE*); DIT CAT (OFFSET) := AST_CAT (ASTE); 1805 THEN STITES WITH PER PLAS: PETUP LOCATION 100 TO 12 1807 END: DIR ACL HEAD (DEESTT) := 0: PC : * OK_FLAG: 1868 1161 1812 1813 1814 1800

FIXER LOCATION 14 TO 2
25 LINES WERE CORPILED, GENERATING 286 SYTES OF CODE.
NATA P
1915 -1.

· ·

1816 DATA P(SMER); Z LIVES MENT COPPILITY.

9.	CODE(2): 00 CODE(2): NOV 6,5 CODE(4): NOV 6,5 CODE(4): NOV 7, (5)		CODE (63): MOVBO, 0 (2)	******	* * * · · · · · · · · · · · · · · · · ·	91116	CODE (64): 304 -4(5),-(6) CODE (74): ADD (6),-2 CODE (74): ADD (6),-2 CODE (176): GPT 90(2),1 CODE (176): GPT 6(6),-(6) CODE (176): GPT 6(6),-(6),-(6) CODE (176): GPT 72 CODE (176): GPT 72 CODE (172): MOY 1,-(6) CODE (172): MOY 916,90,2 CODE (172): MOY 916,90,2 CODE (174): MOY 916,90,2 CODE (174): MOY 916,90,2 CODE (174): MOY 916,90,2 CODE (176): MOY 917,90,2 CODE (176): MOY 91,90,2	
PROGRAS P.	NEOCK INTERPORTS	TWE INT (SPINICH):	SHEP_CONKT(SHPRE) := SHPR_COUNT(SHPPE) - 1;	A IT SEMAPHOST COUNT IS NEGATIVE, THEN PROCESS SECONES BLOCKED	TA DEBECONSISE OF THE STATE OF	AND CUPRENT PROCESS TO QUEUR OF PROCESSES BLOCKED ON SENAPHORE		PT_PIAGS (THE_CURPENT_PROCESS) := (SMFR_POINTER(SMPR#) BLOCKED);
18 18	:	1820	1651	1822	1824	1925		1826

7 THE CORREST PROCESS: (1) 1	AND THE PROCESS TOWNING. A PREMEL SATE: A PREMEL SATE: A PREMEL SATE: A PROCESS TOWNING. A PROCESS TO			CODE (210): ADD (6)., CODE (212): ROYBO, C(2)
133	PB: CHARLES BRINKING CHARLES OF CODE.		Sara Tolate (Sarae) : He The Concest Process:	•
Pi: 1246 1247 1248 12	PP: DE STATING 254 HYTES OF CODE.	•		•/1216
000 (223); 00 (2	P): GENERATING 254 HVTES OF CODE.	•	CALES TARRES > CALES AT	408
000 (223) 1 00 (00 (2	DI: OENEPATING 254 HYTES OF CODE.			CRP
000 (246) 000 (2	T, GENERATING 254 HYTES OF CODE.			NON
000 (222) 1 000 (202) (202) 1 000 (202) 1	F. GENERATING 254 BYTES OF CODE.			HON
000 (251) 138 (200 (251) 138 (200 (251) 138 (200 (250) 139 (250) 1	P): GENERATING 254 NYTES OF CODE.			NON
000E (260); C10E 000E (260); C10E 000E (260); C10E 000E (270); C10E 000E (P): GENERATING 254 BYTES OF CODE.			SB
CODE (226): MOV CODE (276): MOV CODE (276): CODE (27	P): GENEPATING 254 BYTES OF CODE.			673
CODE (276): 108 CODE (1776): CO	T, GENERATING 254 BYTES OF CODE.			NOW
CODE (277); CLE CODE (277); CLE CODE (272); AND CODE (172); AN	T, GENERATING 254 MYTES OF CODE.			ACE
CODE (175): 198 CODE (175): 198 CODE (175): 198 CODE (175): 199	F. GENERATING 254 MYTES OF CODE.			CLR
CODE (170): HOW CODE (170): GDE (T. GENERATING 254 BYTES OF CODE.			JSB
000 (34); 90	GENERALING 254 BYTES OF CODE.			100
CODE (310): HOW CODE (310): HOW CODE (311): HOW CODE (312): HOW CODE (312): HOW CODE (312): HOW CODE (312): LOS CODE (313): HOW CODE (313): HOW CODE (313): LOS CODE (313): LO	T. GENERALING 254 BYTES OF CODE.			104
CODE (314); CLR CODE (314); CLR CODE (315); MOV CODE (315); MO	T. GENERATING 254 BYTES OF CODE.		STEEPS	101
CODE (176) : ANY CODE (176) : ANY CODE (178) : ANY	F. GENERATING 254 MYTES OF CODE.			104
CODE (326); JSS CODE (346); JSS CODE (346); JSS CODE (346); JSS CODE (346); JSP CODE (346); JS	F. GENEPATING 254 MYTES OF CODE.			AO
CODE (34); CLB CODE (34); CLB CODE (34); CLB CODE (344); ROV CODE (344); ROV CODE (345); CLB	T. GENERATING 254 MYTES OF CODE.			200
CODE (346): JAP CODE (346): JAP CODE (346): JAP CODE (346): MOV CODE (346): JAP	T. GENERATING 256 HVTES OF CODE.			CLE
CODE (340): JAP CODE (340): JAP CODE (340): MOV CODE (340): MOV CODE (340): CLR CODE (340): CLR CODE (340): LR	T, GENERATING 254 HYTES OF CODE.		: (Hass Tanday) d	
LOCATION 342 TO 24 LOCATION 342 TO 24 END: LOCATION 342 TO 24 END: LOCATION 14 TO 252 INLINE (SPLICH): LOCATION 14 TO C	DOCATION 342 15 24 EPP: LUCATION 342 15 24 END: LUCATION 14 TO 252 LUCATION 14 TO C LUCATION 14 TO C 20 LINES WERE COMPLLET, GENERATING 254 RYTES OF CODE.	10014	0.7.7. 10 11.0	CODE (340): JRP 9 (7)
CODE(35): JROT LOCATION 342 TO 24 ELST: SLIFP: LOCATION 342 TO 24 END: LOCATION 14 TO 252 INLIN' (SPLICH): LOCATION 14 TO C INTO	LOCATION 342 10 24 END: LOCATION 114 10 252 END: INLIN (SPLLCW): LOCATION 14 TO C OF CHELCW COMPLIET, GENERATING 254 BITES OF CODE. OF WERE DETECTED.			CODE (346): NOV (5),-(6) CODE (350): CLR -(6)
LOCATION 342 TO 24 LOCATION 342 TO 24 ELST: SLEPP; LOCATION 342 TO 24 END; LOCATION 14 TO 252 INLIN*(SPLICW); LOCATION 14 TO C CODE (364); HOY 1370 1370 1370 LOCATION 14 TO C CODE (372); JAP	LOCATION 342 TO 24 END: LOCATION 114 TO 252 INLIN' (SPLICE): LOCATION 17 (SPLICE): OFS WERE DETECTED.			CODE (152): BOY -2 (4):2
LOCATION 342 TO 24 END: LOCATION 142 TO 252 END: INITIAT (SPILCW): LOCATION 14 TO C	LOCATION 342 TO 24 BND: LOCATION 114 TO 252 BND: INLIN' (SPLICW): INLIN' (SPLICW): 20 LINES WEP? COMPLLET, GENERATING 254 RYTES OF CODE. -1-			CODE (364): CLR (6) +
LOCATION 14 TO 252 LOCATION 14 TO 252 INLINT(SPLLCW):	LOCATION 114 TO 252 LOCATION 114 TO 252 INLINE (SPILCW): LOCATION 14 TO C OF CHEEF WERE COMPILET, GENERATING 254 RYTES OF CODE.			
LUCATION 114 TO 252 INLINF(SPLLCM): LOCATION 14 TO C	PLOCATION 114 TO 252 INLINF(SPILCW): PLOCATION 14 TO C 20 LIPES WERE DETECTED. Y -1.	in court	10 KB 01 CT 10 CT	1370
INLINF(SPILCW); LOCATION 14 TO 6	INLINF(SPLICH); LOCATION 14 TO (20 LINES WERE DETECTED. Y - 1.	P LOCATI	ON 114 TO 252 END:	076;
			INLINT (SPLICW):	1372
		P LOCAT	20 02 14 TO 520 CHARLEST THE TOTAL STREET TO 01 14 HO	
		-1-		>-

91.1	2,-(0) code(0): 2,-(0) code(0): Mov 6,5 code(4): ADD 44,5 code(4): ADD 44,5	CODE (14): 20F - 4 (5) - (6) CODE (14): MOV - (6) - 2 CODE (14): MOV - (6) - 2 CODE (14): MOV - (6) - 2 CODE (14): MOV - (6) CODE (14): MOV - (6) CODE (14): MOV - (6) CODE (14): MOV - (6) - 2 CODE (14): MOV - (14):		797	911	•/1116	CODE (64): MOV -4 (5), - (6) CODE (70): MOV MISS 94, 2 CODE (70): MOV MISS 94, 2 CODE (70): MOV MISS 94, 2 CODE (100): MOV 1, - (6) CODE (100): CLR - (6) CODE (100): CRR - (6) CODE (100): CRR - (6) CODE (101): MOV MISS 94, - (6) CODE (102): MOV MISS 96, - (6) CODE (102): MOV MISS 96, - (6) CODE (103): MOV MISS 96, - (6)	0,11	077	1172	CODE(140): MOV -4(5),-(6) CODE(144): MOV 815534,2 CODE(150): ADD (6)*,2 CODE(152): MOFBO(2),1
: A E # # # # # # # # # # # # # # # # # #	STOCK INTERPURTS	TALIAN (SPINION):	61	IP SEMAPHORE COUNT IS WIN-POSIZIVE, THEN A PROCESS BLOCKED ON THE SEMAPHORE . MUSZ BT UNCHTUED	TENEST COUNTY (SEE PROPERTY COUNTY CO	RUBIC STERVIS STEEL OF CENESS ADDED TO THE STEEL BUTCH CHE		PROCESS_A := SMFP POINTFR (SMFR*);	/* IF THEP IS 4095 THAN ONE PROCESS ON UUENT, FOLLOW CHAIN THROUGH * PROCESS TABLE	THEN: COUNT(SHPPR) -= 0:	STOAD
~	:	*	543	1000	000	1850		1851	1852	1854	1856

CODE(236): MOV -1C(5),-12(5) 1236: MOV -12(5),-(6) CODE(236): MOV -12(5),-(6) CODE(246): MOV 017440,2 CODE(246): MOV 017440,2 CODE(256): MOV 0174,0 CODE(256): MOV 1,-10(5) CODE (156): MOV 1,-(b)
CODE (162): CLR (6)
CODE (164): BNE 2 (7)
CODE (164): BNE 2 (7)
CODE (172): MOV -10(5),-(6)
CODE (172): MOV -10(5),-(6)
CODE (173): MOV 017440,2
CODE (174): MOV 017440,2
CODE (174): MOV 017440,2
CODE (174): MOV 017440,2
CODE (174): CNF (6),-(6)
CODE (174): CNF (6),-(6)
CODE (174): CNF (6),-(6)
CODE (174): CNF (6),-(6)
CODE (174): CNF (6),-(6) CODE (262): MOV -12(5),-(6) CODE (266): CLR -(6) CODE (270): MOV 017440,2 CODE (274): MOV (6) **0 CODE (276): ADD (6) **2 CODE (376): MOYBO,0 (2) CODE (332): MOV -1C(5),-(6) CODE (342): MOV 017440,2 CODE (346): MOV (6)... CODE (356): ADD (6)... CODE (357): ADD (5)... 1356 CODE (334): JRP 0(7)
CODE (310): MOY -4 (5),-(6)
CODE (310): CDR -6 (5),-(6)
CODE (324): MOY 16440,2
CODE (322): MOY (6),-0
CODE (324): ADD (6),-2
CODE (326): MOY 80,0(2)
132 CODE (360): JRP 3-6(5) CODE (260): BR -34 1262 •/1262 1332 1356 •/1332 THENCE STRUKE BOOKES IN CHUR SNE DE DIENE EXIT WHEN PT_LINK(FROCESS_A) = 0; PROCESS_A := PI_LINK(PROCESS_B): FIRDP LOCATION 224 TO 32 : PROCESS_8 := PROCESS_A; 1963 FIROT LOCATION 196 :0 22 1664 END: 1666 PT PEAGE (PPOCESS_A) := PEAGY: FINDP LOCATION 114 TO 240 1867 END: PROCESS_A BECOMES PEALT FIND LOCATION 176 TO 16 INTING (SPLLOW); : 182

FIRDP LOCATION 14 TO 4 29 COMPILED, GENERATING 244 EYTES OF CODE.

1868

1865

1960 1961

PIXUP LOCATION 222 TO 4

0 000 0

TASA STEED B LAG WEED CONTINUE TO CONTINUE

CODE(0): 2,-(0) CODE(1): NOV 6,5 CODE(10): NOV 7, (5) + CODE(12): SUR 60,6 120 -/120	CODE (29): MOV 016544,2 CODE (29): MOV 016,-(6) CODE (30): ADD 01.(6) CODE (30): MOV (6)•,-6(5)	156 CODE (40): NOV -6(5),-(6) CODE (44): CHF 07, (6) + CODE (50): ELT 2, (6) + CODE (52): JNP (77)	CODE (56): NOV 01,-6(5)	1126 CODE (44): MOV -6(5),-(6) CODE (70): MOV +7446,2 CODE (71): MOV +7446,2 CODE (71): COM (6) CODE (714): BIC (6) CODE (714): CMP +769, (6)		CODE (132): NOV -6 (5), -(6) CODE (136): ADD #1, (6) CODE (142): NOV (6) *, -6 (5) 1146	CODE (146): 3R -44 1150 1172 1009 (150): 404
INLINT (SPLEOW):	WINT_PROCESS := THE_CUPRENT_PROCESS • 1;	IN WORT DECEMBER OF TAKE	1830 THEN LOCATION SW TO 6 THEN 1831 BROCPSSALVING	IF (P7_FLAGS(WFXI_PSOCFSS) & PT_FLAGS_MASS) = SPADY;	1889	1886 NEXT PROCESS := NEXT_PROCESS + 1;	END: IF WEXT_PROCESS AR THE_CHRRENT_PROCESS:
1875	1678	1874	1930 FIXEP L	28.3	1883 1884 FIXUP L	1886 PIXUP LO	1888

TETE FROSBAR SLEEP;

CODE (104): BNE 2 CODE (172): 90 5, (6) CODE (174): 90 5, (6) CODE (174): 90 4 (5), (6) CODE (170): 90 4 (6), (6) CODE (170): 90 4 (6), (6) CODE (170): 90 7 (4), 2 CODE (170): 90 7 74 144 (2) CODE (110): 90 7 74 144 (2) CODE (120): 90 7 (6), 5 1222 1222 1222 1222 1222 1222 1222

di-

2

```
CODE(3): 2,-(0)
CODE(2): MOW 6,5
CODE(1): MOW 6,5
CODE(1): MOW 7,5)
CODE(1): MOW 7,5)
CODE(1): MOW 7,5)
CODE(1): SW 2,6)
CODE(1): SW 6,6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1166

CODE (130): ASL (6) - (6)

CODE (131): ASL (6)

CODE (132): ANY 0-5600.2

CODE (140): NOY 0-(6)-2

CODE (140): NOY 0(2), - (6)

CODE (140): NOY 0(2), - (6)

CODE (152): BTC (6) - (6)

CODE (152): ANY 0(2), - (6)

CODE (152): ANY 0(2)

CODE (174): NOY 0-5500.2
                                                                                                                                                                                                                                                                                                                                                       CODE (42): CMP (6),2(6)
CODE (45): BLE 2
CODE (57): JMP 463(7)
CODE (54): MOV (6),-10(5)
CODE (64): CMP 40,5),-(6)
CODE (64): CMP 40,6),-(6)
CODE (72): BLE 2
CODE (72): JMP 6(7)
CODE (73): MOV -10(5),-(6)
CODE (105): MOV -10(5),-(6)
CODE (105): MOV -10(5),-(6)
CODE (105): MOV -10(5),-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CODE (112): JRP 0(7)
CODE (116): NOV -10(5),-12(5)
1124
                                                                                                                                                                                                                            CODE(26): NOV 017,-(6)
CODE(32): CLR -(6)
CODE(34): JRP 453(7)
CODE(40): INC (6)
                                                                                                                                                                                                                                                                                                                                                     (6) ,2 (6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1124
                                                                                                                                                                                   A SUT CHANGE BIT HUST BY INSPECTED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IF (SDP(X) & SDP_CHANGE_MASK) = SDR_CHANGED;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          THEN: X := PEG + PEG_CONSTANT: FIRE LOCATION TH TO 24
                                                                                                                                                                                                                                                                                                                                                        18 2468 > CFOSS_FFG8;
                                                                                                                                                                                                                                                                                                       FIXUR LCCATTON 36 TO 2
1902 DO PEGE := 0 TO BEGE NAK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1905 X := 3FG:
MIND LOCATION 114 TO 6
1906
1906
                        A BLOCK INTERRUPTS
                                                                                                                                                                INLINE (SPLHIGH);
PROGRAS RUN:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1901
                                                                                                                                                                                                                                                                                                                                                          1093
                                                                                                                                                                       1900
1897
                            1894
```

1893 IATA BUN NEXT PROCESS);
1893 DECLARE PROCESS);
1894 PROCESS (ADRD, WORD) (SAAF),
1895 SEG, X, WAR);
1895 SEG, MERE EFFECTED,

9351	・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	CODE (202): NOV 0(2),-14(5)	0 (2) 14 (5)
1909	INLINE (ASP, VAR); /* THEIR BLOCKS TO MIME */	10): ASR	-14(5)
1910		CODE (214): ASR -14(5)	-14(5)
1161	I WAP C PRE BLOCKS:	1,1236	
		CODE (220) : 009 CODE (230) : 009 CODE (230) : 009 CODE (230) : 009 CODE (240) : 009	CAP - 14 (5) - (6) CAP - 1740, (6) + 0 CAP - 1740, (6) + 0 CAP - 14 (5) - (6) CAP - 14 (5) CAP - 14 (5) CAP - (6) CA
	THENS WAS SE HOT ASTRONANT.	1260 1260	ADD (6) - 2
TITUE	1110P LOCATION 230 TO AA ST_CHANGT (MA9) := (AST_CHANGE (WAF) AST_CHANGED); 1910	CODE (325): MOVB 1324 1324	40VB0,0(2)
1915	TAMP LOTATION 14m TO 136 FAD:		
TXUE	TAUP LOCATION 52 TO 252		
916	3.46	CODE (324): 88 -133 CODE (326): CMP (6)+, (6)+	(61., (6)
1101	/* GAVE KSE1		
		Not Hov Hov	(5) (5) (6) (6) (7) (7) (7) (7) (7) (8)
916	FT_KSAR1(THE_CURRENT_PROCESS) := KSAR1;	CODE (156): HOV CODE (362): NOV CODE (362): HOV O	(6)
		ASL ASL ASL ASL	16544,2 (6),-(6) (6) -5476,2 0(2),-(6) 017000,2
610	PT_KSDR1 (THE_CURRENT_FPOCESS) := KSD91;	CODE (476): ADD (CODE (420): ROV (0,0(2)
626	/* LOAD DESCRIPTOP FOR WEXT PROCESS'S PS	•/1424	

```
CODE (4.24): MOV 5,-(6)
CODE (4.24): MOV (5,-(6)
CODE (4.37): CLR - (6)
CODE (4.37): CLR - (6)
CODE (4.37): CLR - (6)
CODE (4.37): MOV (6),-(6)
CODE (4.46): MOV 0(2),-(6)
CODE (4.46): MOV 0(2),-(6)
CODE (4.46): MOV 0(2),-(6)
CODE (4.25): MOV 6,-(6)
CODE (4.24): CLR (6),-(6)
CODE (4.24): CLR (6),-(6)
CODE (4.24): CLR (6),-(6)
CODE (5.24): CLR - (6)
CODE (5.24): CLR - (6)
CODE (5.24): MOV 6,-(6)
CODE (5.24): MOV 6,-(6)
CODE (5.24): MOV 6,-(6)
CODE (5.24): MOV 0(2),-(6)
CODE (5.24): MOV (6),-5
CODE (5.24): MOV (6),-6
CODE (5.24): MOV (6),-5
CO
```

LSD (PT_PS_ASTTF (NTYT_F30C5SS), PS_KSB_ADP, SOR_BRITE_ACCESS):

TERNES (AND EASTER) TO DO SEAL SWAP IN PAL

:

1751

1924 INCADENT (SELICE);
STATE DUCATION 22 TO COPILEE, GENERALIN; 359 RYTES OF CODE.
COPIES DUCATION 22 TO COPILEE.
CARA HASE
TARA HASE
TO COPIES TO COPILEE.

0

1926 CATA HASH(DISK_ATE) SPTORNS (ASTS#);
NC EMPORS MERE PUTECTOR.

CODE (112): NOV 4(5), -(6) CODE (116): ASL (6) CODE (120): MOV 6400, 2 CODE (126): NOV (6), 2 CODE (126): NOV (2), (6) CODE (132): CAP -4(5), (6) CODE (140): NAP (7) CODE (150): MOV 4(5), -(6)
CODE (154): ASL (6)
CODE (156): MOV 6400, 2
CODE (162): ADD (6)*, 2
CODE (164): MOV 0(1), 4 (5)
172 (172): BR -42 170 CODE(74): CLR - (6) CODE(74): CLR - (6) CODE(76): CRP (6) • (6) • CODE(100): BD CODE(102): JRP 0 (7) CODE(102): JRP 0 (7) CODE (0): 2,- (0)
CODE (2): MOV 6,5
CODE (4): MOV 6,5
CODE (12): MOV 6,5
CODE (12): SUB 80,6
CODE (12): SUB 80,6
12
CODE (12): MOV -4 (5),0
CODE (22): MOV 0,1 PERUP LOCATION 142 TO 4 PETURN MET DISK (ASTEC) = DISK_ADR: ASTRE := HASH_TABLE (HASH_VAL & "DIFF"); INLINV(MOV. DISK_ADP. D. "): INLINE (MOV.), C. HASH_VAL); PIXES LCC171OF 104 TO 4 INLINE(MOV. 0, 0, C, 1); INLINE(ASHR1); INLINE(PFFRM); INLINE(XOF10); PROGRAM HASH: DECLARE WOED (HASH_VAL): HASH DISK ACR STOKE 1930 1039 1928 1011 1032

ASTER := AST_CHAIN (ASTER);

CODE (174): JRP 0-6(5)

TOUS CAIA PERMASH(DISK ADS) PITURAS (HARRETAL):
2 LINES WERE COMPILED.
1946 - 1.

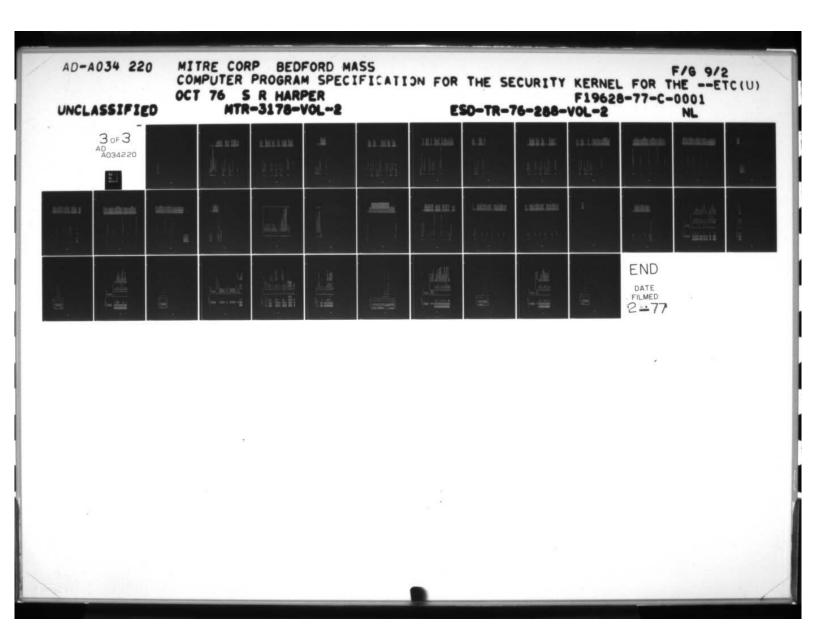
T
10
AS.
PREH

a
a
-
14
22
52
er.
PROC

INLINT(MOV. DISK_ADP. 0. 0);

1952	INTERCORPE
1653	TALING(ANV, C, C, HASH_VAL);
10501	HASH_VAL := (HASH_VAL & HASH_V);
TINGE LUCITION OF STREET	FIEUR LAKATION 14 TO 2 NO PROBA WERE DEFECTION. THE DOMESTICE OF THE TOTAL OF THE DOMESTIC STATES OF COURT

116): 2,-(0)
CODE (3): MOV 6,5
CODE (4): ADD 04,5
CODE (10): MOV 7 (5).
CODE (12): BUB 06,6
CODE (12): BUB 06,6
CODE (12): BUB 06,6
CODE (12): MOV 0,1
124
125
CODE (12): MOV 0,1
126
136
CODE (42): MOV 0,4 (5)
137
CODE (42): MOV 0,4 (5)
136
CODE (42): MOV 0,4 (5)
137
CODE (42): MOV 0,4 (5)
136
CODE (42): MOV (6),4 (6)
CODE (42): MOV (6),4 (5)
CODE (50): JRP 3-6 (5)



```
CODE (106): MOV 061776,2
CODE (12): MOVEO(2),-5(5)
120
CODE (120): MOV 5,-(6)
CODE (124): CLR - (6)
CODE (124): CLR - (6)
CODE (124): MOV - 2(4),2
CODE (132): MOV - 2(4),2
CODE (134): MOV - 2(4),2
CODE (146): MOV - 2(4),2
CODE (154): MOV - 5(5),1
CODE (154): MOV - 5(5),1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CODE (4): AD 6.5

CODE (4): ADD 6.5

CODE (10): MD 62.5

CODE (12): SUB 60.5

CODE (22): MOV 06.776.2

CODE (22): MOV 06.776.2

CODE (22): MOV 06.2 - (6)

CODE (24): MOV 0.2 - (6)

CODE (32): GOT 2 - (6)

CODE (32): GOT 2 - (6)

CODE (34): MOV 0.3, 4 (5)

CODE (46): JRP 8-4 (5)

15.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CODE(52): MOW #6176,2
CODE(65): MOW 204, (6)
CODE(63): CHP 224, (6) *
CODE(77): JRF 0,7)
CODE(74): MOW 0-3,4(5)
CODE(74): JRP 8-4(5)
1106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           152
                                                                                                                                                                                                                            MODE GREEP PARM, OPFSTT PARM, CLASS PARM, CAI PARM, SPG. TYPS PARM, SIZE PARM, MODE FARM, USPS PARM, PROJECT PARM, FFGE PARM, PROCESSEPARM, RESSACT PARM, ASTFE PARM, PARM, FLAGS);
                                                                         TYPE FUNCTION CODE TYPE = (0 TO FUNCTION CODE MAX): DECLARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IP PUNCTION CODE APARE > FUNCTION CONT. 4AX;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IF FUNCTION CODE APAPH < FUNCTION CODE MIN;
                                                                                                                FUNCTION_CODE_TYPE (FUNCTION_CODE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PUNCTION COLF := FUNCTION CCDF APAPA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1968 THYS.
1966 THYS.
1966 THE PETRON STATE OF THE STATE 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1972 THY:
1973 FRIUS BETUNK WITH SEWERF_FLAG:
1974 FAD: FWD:
                                                                                                                                                                                                                                                                                                                                                                                                        CHECK PUNCTION CODE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        P(KEPNEL_SAPP);
FEOGRAM PCHECK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1976
                                                                    1969
1969
1969
1969
1969
1969
                                                                                                                                                                                                                                                                                                                                                                                              1966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1961
```

CODE (152): MOV -WO(5),-(6)
CODE (156): MOV -MO(5),-(6)
CODE (162): COM (6)
CODE (164): RIC (6),-(6)
CODE (174): RIC (6),-(6)
CODE (172): RIE (7)
CODE (174): JMF O(7)
IMOR | 1230 | CODE (2021: MOV -42(5),-(6) | CODE (2020: MOV 0-100000,-(6) | CODE (214): COM (0) | CODE (214): BIT (0). (0) | CODE (220): CMP (0). (0) | CODE (220): CMP (0). (0) | CODE (220): CMP (0). (0) | CODE (220): MOV 0(7),2 | CODE (230): MOV 0(2),-10(5) CODE (312): NOV 4(5),-(6) CODE (312): BNE 2 CODE (322): BNE 2 CODE (324): 3ND 6(7) CODE (334): NOV 202CC,2 CODE (334): ASL (6) CODE (334): ASL (6) CODE (342): ADD (6),-2 CODE (342): ADD (6),-2 CODE(226): MCV -10(5),-(6) CODE(272): CMP #37, (6)* CODE(276): BLT 2 CODE(300): JMP 0(7) CODE(300): MOV #-3,4(5) CODE(156): ASL (6) CODE(166): NOV 06546,2 CODE(166): NOV 0(2),-42(5) 174 CODE(174): NOV 0-1,4(5) 1260 CODE(244): MOV -10(5), (6) CODE(244): CRP 01, (6) • CODE(252): PGT 2 CODE(254): JRP 0(7) CODE(256): RCV 0-3,4 (5) 1266 1312 1266 1330 1 104 ./1202 THER: ASTTO PAPE := PS_SEG(STO_PAPE); PARR FLAGS :* PUNCTION_ARRAY (PUNCTION_COLD) : IL (NSTEE PASS & SEG PLAG) -- P. CHPCK SPG# EARANETER IF PROUISED TH (PART_FLAGS & SEGO_FLAG) -= 0; . Parks . SPG. PAR . . SPG. APARP. 1986 PERTON 372 TO 6 18 SPVENT_TLANS 1987 END: 1981 FIND LCCATION 254 TO 6 1980 Is Shee base < She win: TF STG - PAPT > SIG- IAK; it se .. Seven .. De 41 FC := OK_FLAG: :

THPN: 9C : SEVERE_FLAG:

1991

el

505

1982

1941

1578 1970

1980

1989

/* CHECK OFFST DABN IF STUINED IF (PARM_FLAGS & OFSST_STAG) **):

FIRE LOCATION 12F TO 56
1933
FIRE LOCATION 226 TO 156
1934
1795
7 CHECK OFFS
1995
1996
18 (FARE_FLAGS &

FIXUP LOCATION 376 TO 6 1992 END; THEN OFFERE PART := OFFERE AND THEN

	1602	1620 CODE(662): NOT -14(5),-(6) CODE(650): CRP 84,(6) + CODE(612): BLT 2, CODE(614): JRP 01, CODE(620): ROY 8-3,4(5)	1626
1938 1943	P LOCATION 572 TO 6 FINE:	TP CLASS_PAPM > CLASS_MAX;	2012 THEM: RC := SEVERT_FLAG: FIRE DCATION 516 TO 6
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1010 1010		2012 FIRUP

```
CODE (640): NOT 061764,2
CODE (644; NOT 0(2),-(6)
CODE (659; NOT 06),-(6)
CODE (654; COT (6)
CODE (656): BIC (6),-(6)
CODE (666): NOT (6),-20(5)
                                                                                                                                                                                                                                                    1724

CODE (72): MOV -42(5), - (6)

CODE (72): MOV 02000, - (6)

CODE (72): CODE (6)

CODE (712): CMP (6) - (6)

CODE (714): CMP (6) - (6)

CODE (714): MOV (6) - (6)

CODE (720): MOV 061760, 2

CODE (720): MOV 061760, 2
                                             CODE (626): MOV 061766,2
CODE (632): MOV 0(2),-16(5)
                                                                                                                                                                                         CODE (664): YOV 061762,2
CODE (670): YOV 3(2),-22(5)
                         ·/1626
                                                                                  0191/-
                                                                                                                                                                             5991/-
                                                                                                                                                                                                                                   9/11/1
                              NO SYNTACTIC EPROR CHECKING FOR CATTGORY PARAMETER
                                                                                                                                                            SEG_TYPE_PART := (SEG_TYPE_APART 6 :19_TYPE_TISK);
                                                                                   NO CHECKING OF SEG_TYPE PAPARETER
                                                                                                                                                                              NO CHECKING OF SIZZ PARABETE
                                                                                                                                                                                                                                   CHECK SON PARY IF ASSULATION
                                                                                                                                                                                                                                                     IN SEARS ELAGS & YOUT FLAG) at
                                                                                                                                                                                                                                                                                                                                                           THEN: "COE PEP" := "OSP AFAF";
                                                                                                                                                                                                                  SIZE PAST := SIZE APAPT;
                                                                  CAT_PARE := CAT_AEAPR;
PIXUP LOCATION 542 TO 62
2014 TND:
                                                                                                                                                                               .
                                                                                   .
                             .
                                                                                                                                                                          2019
                           2015
                                                                2016
                                                                             2017
                                                                                                                                                            2014
                                                                                                                                                                                                                   2222
                                                                                                                                                                                                                                   2021
                                                                                                                                                                                                                                                      25 22
                                                                                                                                                                                                                                                                                                                                                            2723
                                                                                                                                                                                                                                                                                                                                                                          2024
                                                                                                                                                                                                                                                                                                                               *
```

```
CODE(1036): MOV 01.-(6)

CODE(1044): MEE 2

CODE(1044): MEE 2

CODE(1046): JMF (6/7)

11060

11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/1060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/11060

-/1
```

NO CHECKING OF USER PAPARTIES

2029 / NO CHECK

2026 FIREP LCCATION 1050 to 4 2027 END: 2030 USTR_PART := (USFR_PRART & ACL_USFR_ASR); 2031 /* NO CHTCKING OF HROJECT PARABITER

```
| 1254

| CODE (1226): NOV -42(5), (6)

| CODE (1236): CON (6)

| CODE (1236): CON (6)

| CODE (1240): BIC (10, (6)

| CODE (1244): CIR (6)

| CODE (1244): CIR (6)

| CODE (1246): BIR 2

| CODE (1256): BIR 2

| CODE (1256): NOV 861750, 2

| CODE (1259): NOV 861750, 2

| CODE (1250): NOV 861750, 2
                                        11220

CODE (1202): NOV -32(5),-(6)

CODE (1206): CRP #17,(6)*

CODE (1212): BLT 2

CODE (1212): APP @ (7)

CODE (1212): NOV #-3,4(5)

11226
                                                                                                                                                                                                    11174

CODE(1162): GNW -32(5),-(6)

CODE(1162): CME -(6). (6).

CODE(1164): CMF -(6). (6).

CODE(1166): BGT 2.

CODE(1170): JMP 0(7).

CODE(1174): NOV 0-3,0(5).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11304
CODE (1266): NOV -34 (5),- (6)
                                                                                                                                                                                                                                                                                                                11202
                                                                                                                                                                                                                                                                                                                                                                                                                                  11226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          •//1226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11226
11116
                     9/11/1/0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CHECK PROCESS. PARAMETER IF PEQUIPED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      THEM: PROCESSE PARM := PROCESSE APARM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IF PROCESS PARE C PROCESS AIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IF (PART FLAGS & PROCESSO FLAG) -= 0:
                                                                                                                                                                                  THEN: 37Ge PARM := DETO APARM:
                                                                                                                                                                                                                                                                                                                                                                                                               2045
FIRTH LOCATION 1216 TO A SEVERY FLAG:
2041
                                                 IF (PAPE PLAGS 6 SEG TLAG) -= C;
                                                                                                                                                                                                                                                                                          2017
FIXEP LOCATION 1172 TO 6
2039 SOLD SALES TO 5
    PROJECT_PARM := PROJECT_APAPM:
                                                                                                                                                                                                          IP PEGS PAPT < PEGS MIN;
                                                                                                                                                                                                                                                                                                                                           IF SFG. PARK > FFG. TAX:
                         CHECK REGE IF DEDUIRED
                                                                                                                                                                                                                                                                                                                                                                                                                                                               PIEUR LOCATION 1142 TO 62
2042 FEND:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2043
                                                                                                                                                                                                                                                                                                                                         20 30
                                                                                                                                                                                        2035
                                                                                                                                                                                                          7607
          2632
                           2033
                                                 25 34
```

```
CODE (1350): MOY W (5), -(6)

CODE (1354): BNE 2

CODE (1352): BNE Q (7)

CODE (1352): MOY 1, -(6)

CODE (1372): MOY 1, -(6)

CODE (1372): MOY 1, -(6)

CODE (1400): EsT 2

CODE (1400): EsT 2

CODE (1412): MOY 1, -(6)

CODE (1412): MOY 1, -(6)

CODE (1420): ADD 7, 1

CODE (1520): ADD 7, -(6)

CODE (1520): ADD 7, -(6)
                                                                                                                                                             11330

CODE (1176): GNY -34(5),-(6)

CODE (1176): CHE #7, (6) *

CODE (1122): RLE 2

CODE (1124): JMP 4(7)

CODE (1130): MOY 9-3,4(5)

1136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CODE (1336): MOV #61746,2
CODE (1342): MOV Q(2),-36(5)
CODE (12/2): CRF 01 (6) CODE (1276: 857 2
CODE (1300): JRF 0(7)
CODE (1304): ROY 0-3,0(5)
                                                                                                                         11312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1366
                                                                                                                                                                                                                                                                                                                             11335
                                                                                                                                                                                                                                                                                                                                                                                         11336
                                                                                                                                                                                                                                                                                                                                                                                                                              ·//1336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CASE FUNCTION_CODE_TYPE TAG PUNCTION_CODE:
                                                                                                                                                                                                                                                                                                                                                                                                                                            NO CHECKING OF MISSAGE PAPANSTER
                                                                                                                                                                              IN PROCESS PARM > PROCESS - SAN:
                                                                                         2047 THEN: "C := SEWEPS_PLAS:
Flugh LOCATION 1302 TC 6
2048 SND:
                                                                                                                                                                                                                                                                                                  2050
FILUP LOCATION 1926 TO 6 := SEVESS FLAG:
2051
EMD:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ******* PAPE := *7556.15 .PAPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   THEN:
THEN:
THEN:
THEN:
```

502

FIXUP LOCATION 1252 TO 62 2052 END:

2049

11365 11565 11566 1202 (1572): C.R (6) CODE (1574): NOT 5, - (6) CODE (1576): NOT 5, - (6) CODE (1506): C.R (6)		CLR 2000 2000 2000 2000 2000 2000 2000 20			5 5 5
1: RC : « CREATE(ASTRE_PARM, OFFSST_PARM, CLASS_PARM, CAT_PARM, STZE_PARM);	2: PF :: DETELP(ASTER_PARM, OPPST_PARM):		At BC 18 GIVT (ACTED PART, CPROST PART, BCCS PART, BSCR PART, BCCS PART):	W. RC : B BESCINF (ANTER-PARM, OPEST-PARM, USER-PARM, EROJECT-PARM);	5: RC := GETW(ASTER_PARM, OFFSET_PARM):
2060	2962		2064	5566	20.86

```
CODE (2059): MOV 5,-(6)
CODE (2054): MOV 9,-(6)
CODE (2054): MOV 9,-(6)
CODE (2056): MOV -40(5),-(6)
CODE (2076): MOV -2(4),2
CODE (2076): MOV -2(4),2
CODE (2076): MOV -2(4),2
CODE (2104): MOV 6,0,-(6)
CODE (2102): MOV 6,0,-(6)
CODE (2116): MOV (6),-(6)
CODE (2116): MOV -2(4),2
CODE (2116): MOV -2(4),2
CODE (2116): MOV -2(4),2
CODE (2116): MOV -2(4),2
CODE (2116): MOV -40(5),-(6)
CODE (2116): MOV -40(5),-(6)
CODE (2116): MOV -40(5),-(6)
CODE (2116): MOV -2(4),2
CODE (2116): MOV -2(4),2
CODE (2126): MOV -40(5),-(6)
CODE (2120): MOV -40(5),-(6)
CODE (2204): MOV -40(5),-(6)
CODE (2204): MOV -2(4),2
CO
```

9: CISABLF (RIGO_DAPM);

BRANCH TABLE (21): 622 BRANCH TABLE (22): 622 BRANCH TABLE (24): 622 BRANCH TABLE (25): 622 BRANCH TABLE (25): 622

FIXUP LOCATION 1570 TO 440 FIXUP LOCATION 1751 TO 31 FIXUP LOCATION 1770 TO 32 FIXUP LOCATION 2044 TO 252 FIXUP LOCATION 2044 TO 252 FIXUP LOCATION 2042 TO 252 FIXUP LOCATION 2052 TO 45 FIXUP LOCATION 2052 TO 45 FIXUP LOCATION 1474 TO 657

		CODE (2536): NOV -34 (5),- (6)
	r	200
		353
		10
		CODE (2560): ROV (6) • 5
2047	13: IPCSEND (PROCESSE PARM, MESSAG" PARM, 0);	
		CODE (2562): JRP G(7)
,		MON
		CODE (2572): BOT (5),-(6)
		200
		CODE (2606): MOV 5,6
		CODE (2612): NOT (6) .,5
		NOM
1607	The section of the se	JAP
		CLR
		CODE (2626): ROV 5,-(6)
		CLR
		NON
		(9) - (6) 05 - AOM - (0) - (6) - (7) (9)
		NON
		NON :
		NOW
		CODE (2554): HOV -2 (4), 2
		NON
		CODE (270): NOV (6) 5
5	15: 90 .m STANDI (USTP DAPM, PROJECT PARM, CLASS PARM, CAT PARM,	2
2543	,	
		CODE (2706): JRP 0(7)
		200
		CLB
		MOM
		CODE (2724): JSR 7,84(2)
		MON
2-34	16; STOPP;	:
		CLR
		ACE
		200
		10
		MON
		CODE (2762): ROV -14(5),-(6)
		: JSR
		000
		CODE (3006): NOV (6) 5
	- INGIG AND MORO SOUTH NOTO LABORO MORO MORO MORO MORO MORO MORO MORO	CODE(3010): MOV (6) +, 4(5)
2095	17: PC := CHANGED (ASTER PARM, CHOSEL PARM, CLESS PARM, CALLESS);	

	ACE CLP		(0) (3) (4) (4) (4) (4) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	666 0000000	BARNCH TABLE(15): 254 BARNCH TABLE(15): 254 BARNCH TABLE(15): 254 BARNCH TABLE(15): 324 BARNCH TABLE(20): 412 BARNCH TABLE(20): 42 BARNCH TABLE(20): 43
--	---------	--	--	-------------	---

FIXED INCATION 14 TO 26

VC SHORN MESE DETECTED.

VC SHORN MESE DETECTED.

VC SHORN MESE DETECTED.

VC PEL PROGRAM LOADED AT OTTEGED.

V (KEPNEL_SMED);

FIXUR LOCATION 2254 TO 674 2030 END: FIXUR LOCATION 1364 TO 1564 2091 END:

```
PD) (DISABLE),

RD, WORD, (ECCNECT),

RD, WORD, WORD) (CUTERY),

RD, RUDY, WORD) SETURNS (WORD) (INTRH),

RD, WORD, WORD, WORD, WORD) (RESCIND, CHANGE),

RD, WORD, WORD, WORD, WORD) RETURNS (WORD) (CIVE),

RD, WORD, WORD, WORD, WORD) RETURNS (WORD) (CIVE),

RD, WORD, WORD, WORD, WORD) RETURNS (WORD) (CREATE,

RD, WORD, WORD, WORD, WORD) RETURNS (WORD) (CREATE,

RD, WORD, WORD), WORD, WORD) RETURNS (WORD) (CREATE,

RD, WORD, WORD), WORD, WORD)
                                       4 . . .
                                 INTERBURT VICTORS
PROGRAM;
                                                                                                                                                                                                                                      - 21:
                                              30
                             CHANGE IS MADE TO GATE (DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PROCEDURE ACCEPTS (402), (PROCEDURE ACCEPTS 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SKOILDANG TENSER TENSELAR
                                                                                                                                                                                                                                                                                          MILES (1997)

MILES (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DECLARE PROCEDURE (SLEEP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DECLAPE (9C);
   CA. E.
                               ..
```

PROCEDURE ACCETS (4031) (DEAC, P. V. SAARIY, SAAROIT, PHY),

673 PROCEDURE ACCETS (4030), W. D. D. (157),

674 PROCEDURE ACCETS (4030), W. D. D. (1570),

675 PROCEDURE ELIGANS (4030), W. D. D. C. C. W. D. D. C. D. C. W. D. D. C. D. C. D. C. D. C. D. W. D. D. C. D. C. D. C. D. W. D. D. C. D. C. D. C. D. W. D. D. C. D.

```
CODE (0): 0.2.-(0)

CODE (1): MOV 6.5

CODE (1): MOV 6.5

CODE (1): MOV 7.,(1)

CODE (1): WO MOV 7.,(1)

CODE (10): WO MOV 7.,(1)

CODE (10): WO MOV 7.,(1)

CODE (10): WO CONTAINED PROCEDURE)

CODE (10): WO WO WO CONTAINED PROCEDURE)

CODE (10): WO WO CONTAINED PROCEDURE)
```

KERNEL ENTRY: 680

PROGRAM GATE: . IGNORE CALL IN NOT MADE FROM SUPERVISOR MODE

```
CODE (270): MOV 0-2.2

CODE (300): MOV 0(2).-(6)

CODE (300): MOV 0 3000C,-(6)

CODE (310): COM (300C,-(6)

CODE (310): COM (100,-(6)

CODE (310): MOV 0(2).-(6)

CODE (315): MOV 0(2).-(6)

CODE (315): MOV 0(2).-(6)

CODE (312): MOV 0(2).-(6)

CODE (3145): MOV 0(2).-(6)

CODE (3145): MOV 0(2).-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CODE (362): CLR - (6)
CODE (366): RCV 5,- (6)
CODE (376): CLR - (6)
CODE (376): CLR - (6)
CODE (376): SN - 2(5), 2
CODE (402): RCV 5,- (6)
CODE (404): CLR (6)
CODE (406): RCV (6), 5
CODE (406): RCV (6), 5
CODE (406): RCV (6), 5
CODE (410): RCV (6), 6
C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CODE (414): ROV 4-5600,2
CODE (420): ROV (0.2),-(6)
CODE (420): ROV (0.5,0),2
CODE (434): ROV (0.5,0),2
CODE (434): ROV (0.5,0),2
CODE (434): ROV (0.5),-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CODE (47C): ADD CODE (47C): ADD CODE (47C): GOV CODE (50C): GO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       */**/
                                                                                                                                                 •/1322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .1362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CALL PAPAMETER CHTCHES - MHO IN TURN CALLS THE REQUESTED FUNCTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STGAIN ACCESS TO SUPPRISONS SPO STACK AND INSERT PETURN CODE
                                                                                                                                                                           ACCESS SUPPRYISOP'S STACK THROUGH KSP3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESTORE SUPERVISOR'S REGISTERS AND RETURN
      IF (PSW S PREW MODE BASK) = PREW MODE SUPERW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KS493 := SA40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KSD93 := SDPC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KSE91 := SE90;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KSAR3 := SAOA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PC := PCHECK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                691
FIXUP LCCATION 32 TO 146
692
END:
693 /* RESTORE SU
                                                                                                                                                                           :
682
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     769
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 4
```

```
CODE (512): MOY (6)-7

(CODE (512): MOY 5-(6)

CODE (512): MOY 4-(6)

CODE (512): MOY 6-(6)

CODE (512): MOY 6-(6)

CODE (512): MOY 6-(6)

CODE (512): MOY 6-(6)

CODE (512): MOY (6)-2

CODE (512): MOY 5-(6)

CODE (512): MOY 6-(6)

CODE (512): MOY 6-(6)
```

696

A INTERNET TATER POINTS
696

A DISK
A D

V (DECH_PROCTSSB);

```
CODE (722): NOV (6)., 3

CODE (724): NOY (6)., 4

-/134

-/134

CODE (740): NOY (6)., 5

CODE (740): NOY 4.-(6)

CODE (740): NOY 4.-(6)

CODE (740): NOY 4.-(6)

CODE (740): NOY 4.-(6)

CODE (750): NOY 0.-(6)

CODE (774): CLB - (6)

CODE (774): CLB - (6)

CODE (774): NOY 5.-(6)

CODE (770): NOY 6.-(6)

CODE (770): NOY
```

CODE (1144): NOV (6) 4,3 CODE (1144): NOV (6) 4,5 CODE (1146): NOV (6) 4,5 CODE (1152):

```
| 1154
| (1154
| (1155) | (100 / 5, (6) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 1155) | (100 / 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FIRST LOCATION 232 TO 2 NO ELINES ARRE COMPILED, GENERATING 696 BYTES OF CODE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          V (SCOPE2_PROCESSO);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Acaba Tangan
     KERNEL_EXIT;
                                                                                        SCOPE2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KENNEL_PXIT;
```

113

1 21

		נשר-וופל פהה שפפרות היים						
201	CEUPET CODE	CCDE	STAT	SOURCE ST	STATEMENT	t,		
	00000			03-04				
	00000			2000				
	100000		*					
	200000		•	71 = 74				
	00000			S = 63				
	100000		5	7 = 7 4				
	500000		œ	52=54				
	400000		1	86=16				
	000000		7	DC= 11				
			:					
			-:		LISK	DISK ADP := PALLOU (BR: ADP)		
			-					
			12					
			13	CALLCO:	dC.N			
000000	910605		10		MCV	36.25		
. 700000		******	15		312	10,00		Y Y
.010000	_		16		NCV	PC, (54).		SEQUENCE
000012		999022	17		ans.	12,56		
.910000			13		201	8 (P!)		DON'T NEED BE
020000		177774	2		NOV	-4 (H2) ,FC		GET PARAMETER
C0005#.			20		NOW	P 1		ADDRESS OF BIT MAP TABLE
000026.	C12102		21		10.	(11) +,8.		START OF BLT MAP
00000			22		NCV	(F1), F3		END UP BIT MAF
000032	012704	177771	23		NC.	#1777771.		:ALL BITS STT
			7.0					
.96 0000	012201		25	WICOF:	*CV	(1.2) • , 1.1		SEASCH BIT MAF
.00000			. 26		0.0	31,84		FOR A O BIT
000042	991993		27		SVE	AFCOND.		: PCUND CNE
. * *0.00			24		CAP	H2.43		: END OF MAP?
.90000			23		17.	d 2075		ON:
.056000	000000		33		HALT			:UNPICOVERABLE ERRCP
			11					
.75(000	162702	030002	32	WECUND:	SUB	2, 2		ADDRESS OF WORD . ITH FREE BIT
.950000			33		NON	B 2 . E 3		
000000	161003		2 2		SUB	(10)		its wort Number (FELATIVE TO BASE)
	400000			.000.	100	37 6		.SF13CH
. 79000			17					FOR STAST
***************************************					0.00	B1.305		LIE O:
996000			3	•				
			.,		. 40%	NO TIE NOUT TRUE	N NI NO	CAN
.0000	C12701	939331	42	•	404			ONE BIT ON
. 4 2 3 0 3			43		. HORE	072134 : ASH	1 2 1 4	
.920000			*		818	81, (82)		SEI USE BIT
			45					
			97		THANS	HANSLATE (WORDS, BI	BIT. S	SIZE) INTO A DISK ADDRESS
			47					
000100			e e		0809	072327 : ASH	83,3	SHIFT WORD NUMBER OVER 3 BILS
261000	50000		200					GOOD THE NI COA.
		900000	5.5		AON	6 (80) 82		SHIFT PACTOR
0001100	92.10	200000	25		HORD	072362		ASH R3.R2
						•		

PAL-115/360 ASSEMBLER

| SECTION | SECT

								NEXT PROCESS);		IN PT																												THE CURRENT PROCESS		 SOE		Sacona manager.	THE PART OF TOPIC	200000000000000000000000000000000000000
SOURCE STATEMENT	30 = VC	1=11	74.72			6=46	PC=#1	SHAF CURRENT PROCESS,		RELEVANT DEFINITIONS	,	PTKIET=17203	PIKAR1=17040	FT KE 52=17190	FTKA52=17147	TKD33=17203	TKAR3=17240	1,4=1/30	000000000000000000000000000000000000000	1.60=1/400			FSSDR=2000n	SSAF=20040		HAPDWADE PEGS	KS LP 1= 172402	SAB1=1/2342	SAR Z=1/234	NS 17 2= 1723 u.	2 C C C C C C C C C C C C C C C C C C C	5 LF 3 - 1 2 3 CO	Shac=172200	SAF8=17764C	SDBB=17760C	AND SINALLY		CP=16544	PSW=177776		Abb es as		9 0	
STATE								. 01	 12 :				16 P								36	26	27 5		50 :	30											***	45 1			5	2.5	- 65	:
10C CEJECT CODE	000000	038881		50000	500005	60000	00000					01100	01010	001110	617140	617263	יוליניי	978 710	00000	0.116			920000	C20640			 1723n2	7,530,7	172300	172304	95571	172240	172200	177640	177600			016544	177776	010605		000000 016500 117774	000000	

	SIL-TIA	PAL-115/360 ASSEMBLER	œ			PAGE 3
201	OFJECT CODE	CODE	51.47	SOUPCE STATEMENT	*	
100214	916006	000214 016006 017400	105	MCV	MCV PTR+(80), N6	
			175			
			1:1	 HI di	IS IS NOT A NEW PRO	THIS IS NOT A NEW PROCESS PETURN INTO KERNEL
			103	 3573	FISE PETUPN OUT TO USER	
			133			
.002299	CC0229* C10505		113	AUN	20.20	
0000222	501403		111	Can	N. S.	
.00224	C0023C		112	. WOSE 233	233	SPL LOW
.97700	000226 000175	3-111	1:1	JME	4-17(85)	
			11.			
			115			
cc0232.			116	 CLR	C a	
060234			111	CLR	F.1	
£00536.			119	CLR	3.2	
.007733			===	CLP	~ ~	
000242.	912764		123		41740,54	. 336.
.942333	612756		121	NON	.41776.26	KEPNEL STACK POINTER - "43PE"
002520	612746		122	MCM	* C7C000(84)	. USER PSW - CT=S. PM=U
992600	212746	360683	123	NO.	.0000000	. PC - "4000"
.297333	012746		124	MCV	1001734 - (36)	USTR B6
.997003	91016		125	40A	R (54)	POINTER TO STATIC LINE
C0279.	012737	01034C 177776		NO.	SOLE SUC. BEPSE	FCR NEXT INSTRUCTION
.917600			127	GROW.		SET STATIC LINK EGGAL TO
.00600			128	1808.		POINTER TO STATIC LINK
200302			123	380.	0066C6 : MIPT R6	SET SUPERVISOR MOLE R6
000 304	200000		130	118		
			131	END.	SEAF	

SYMEOL	WALUE	Nasc	BEFER TACES	SEON													
KSART	= 172342	33	56														
KSAR2	= 172344		90														
KS183	= 172346		4.3	20													
KSE31	= 172362		70														
082	= 172304		20														
K SE B 3	= 172396		95	66													
	300232R																
20	- 1000001=		20														
FSSAP	=	28	72														
808	*	27	7.3														
	"	97	126														
KAR ?		16	9.6														
FTKAR2	= 017143	18	96														
FTRAR3	**	20	57	66													
TROBI		15	30														
FTKDR2	**	11	4.6														
KEB3	= 017200	10	95	00													
	"	21	61	103													
58	"	22	6.2	104													
FTR6		23	19	105													
	-4600000		5.1	52	3.5	27	14	23	63	79	6.5	96	7,	56	96	16	6
			6.5	103	100	10.5	111										
	-4000001=	2	72	11	5.7	111											
	= \$500000	3	7.3	18	TE	118											
	£0000038=	•	74	11	34	47	110										
	*00000=	5	61	2.	7.	88	64	1.3	120	125							
85	= \$000003	9	8.3	. ,	53	5.5	6.9	,,	16	7.4	4	68	104	110	113	113	
94	-800000E=	1	9	63	501	121	122	123	124	125							
0	= 172240	38	74														
	= 177640	6.	37														
2	= 172200	39	75														
68	= 177600	1.1	2.0														
10	9001000	11	90														
58815	00013CR		06														
4	RCOCOCO		131														
	- 316544	45	65														
	500002 40 040 811	58044	0000														

PAGE

PAL-115/360 ASSEMBLEF

PAL-115/340 ASSFPRLFF

```
| The affect | State |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OF IN INT. ENABLE, FUNCTION, AND GO BITS.
START DISK
"RETURN
                                                                                                                                                                                                                                                                                                         DISK CONTEDL STATUS
140PD COUNT
170PEN MEMORY ADDRESS
150PEN ADDRESS REGISTER
151SK ADDRESS RATEMSION REGISTER
                                                                                                                                                                                                                                                                DISKIC(TISK ADDRESS, MEMORY ADDRESS, SIZE, MODE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                         : SUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    R1, 48FCMA
C 772027; ASH R0, 84
C 00004
C 12 (F5), R0
F0, 48FTSC
8-14 (R5)
DISKIO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PT, CEPEDAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                       94, PS
112, FS
PC, (15) •
SOURCE STATEPENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . 6035
. 6035
XTG
NOW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           THE STATE OF THE S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACE CLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATD
*CV
TSTB
                                                                                                                                                                                                                                                                                                       FFEC=177463
FFEC=177464
FFCMA=177464
FFDAS=177466
                                                                                                                                                                                                                                                                                                                                                                                                                                                         FISKIO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FSECA:
                                           STAT
                                                                                                                  177460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            177470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     177774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             177766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               000012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              177469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         177462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  177772
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            177464
CENECT CODE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCC010
010137
C72C27
C00004
056500
010037
                                                                 000000
0000000
0000000
000000
000000
                                                                                                                                                                                                                                                                                                            177469
177464
177464
177466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C627C5
C10725
105737
C02337
C165C1
C165C1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 005000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              010037
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              010137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C73027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       016501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   005401
                                                                                                                                                                                                                                                                                                                                                                                                                                                       201
```

	PE1-115/160 455F#P11FF	4 4 5 5 7	1 7 7							
	20000									
SYMBCL	VALUE	DEFN	PEPSPENCE	540						
DISKIC	4636005	8.	77							
FFECE	9000148	22	2.2							
FC	-4000001=	a	20							
FECNA	= 177464	7.	34							
RFDAE	= 177470	16	32							
FFCAR	= 177466	15	3.1							
FFESC	= 177460	12	21	42						
PFEC	= 177462	13	27							
F0	= \$ 00000		28	12	34	.,	4.2			
F 1	-\$0000t=	2	23	56	27	50	**	32	3.3	
F.2	= \$ 500002	•								
P.3	= 4000003									
11	#30003 =									
R5	= \$000008=		8	01	J?	2.5	2.3	35	1.1	1
86	+100000E=	1	•							
	COCCO II STORGE GO GEGGETT AND GEGGETT	0.00	0000							

PAL-115/360 ASSEMBLER

```
SAFE IS IN LEFT SYTE OF DESCRIPTOR REG
SOFT IN A. W. 2D. AND ACF BATS
POINTER TO DESCRIPTOR REG
STORE DESCRIPTOR
BASE ADDRESS REGISTER
BASE ADDRESS OF SEGRENT
WY PLOCKS TO THERES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STORE IN SEGMENTATION REGISTER
                                                                                                                                                                                                                                                                                                                                                                                     BASE OF AST ADB ARRAY : BASE OF AST SIZE ARRAY
                                                                                                                                                                                                                                                                                                                           LSC: LOAD_SEGMENT_DESCRIPTOR (ASTS., REG_LCC, MODE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SUE
SEQUENCE
SEQUENCE
SIZE OF THE SEGMENT
MY BLOCKS TO IMPIR'S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              86,85
817,85
8C, (53)
-4(85),83
ASTSIZ (83),81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ASTACR (30), P1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -10(PS),81
-6(PS),82
81,(F2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              81, (82)
8-12(85)
LSD
SOURCE STATEMPAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ASTAD? = 307460
ASTSIZ = 305000
                                                    STRE
                                                                                                                                                   anglack to the south to the south of the sou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       177774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     277771
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   010000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 240000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           001400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                177766
   GENECT CCDE
                                                       0000001
0000001
0000001
000000
000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 
                                                                                                                                                                                                                                                                                                                                                                                        003503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 201
```

STRBCL